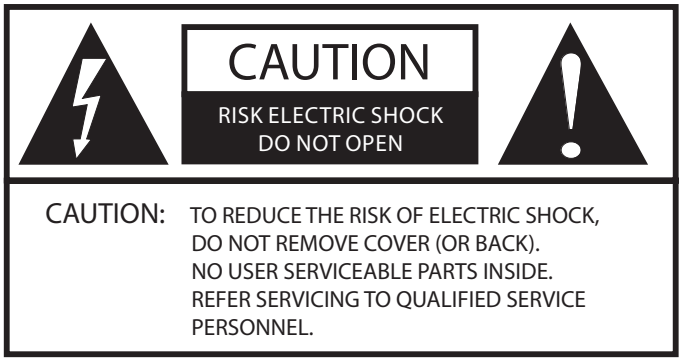
Haier®

OWNER'S MANUAL

LE32N1620
LE32N1620W

LED HDTV

Please READ this manual carefully before operating your TV, and retain it for future reference.


CAUTION
RISK ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE
PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION: TO PREVENT ELECTRIC SHOCK DO NOT USE THIS POLARIZED PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE.

⚠ Caution:

- These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this television near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the television.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the television. When a cart is used, use caution when moving the cart/ Television combination to avoid injury from tip-over.

13. Unplug this television during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the television has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the television, the television has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. The television shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the television.
16. The mains plug or appliance inlet is used as the disconnect device, remain it readily operable during the television normal use.

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, use and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encourage to try to correct the interference by one or more of the following measures:

*Reorient or relocate the receiving antenna.
*Increase the separation between the equipment and receiver.
*Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
*Consult the dealer or an experienced radio/TV technician for help.

This device compiles with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may be not cause harmful interference.
(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC CAUTION:
To assure continued compliance and possible undesirable interference, the provided ferrite cores must be used when connecting this LED display to video equipment; and maintain at least 40cm spacing to other peripheral device.

CANADIAN NOTICE:
This Class B digital apparatus compiles with Canadian ICES-003.

The apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

By being Energy Star compliant you are assured that your Haier model is helping the environment by using lessenergy while saving you money. ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy promoting energy efficiency.

SAVE THESE INSTRUCTIONS

Thank you for purchasing the Haier product. This easy-to-use manual will guide you in getting the best use of your product. Remember to record the model and serial number. They are on label in back of the unit.

Model number

serial number

Date of purchase

Staple your receipt to your manual. **You will need it to obtain warranty service.**

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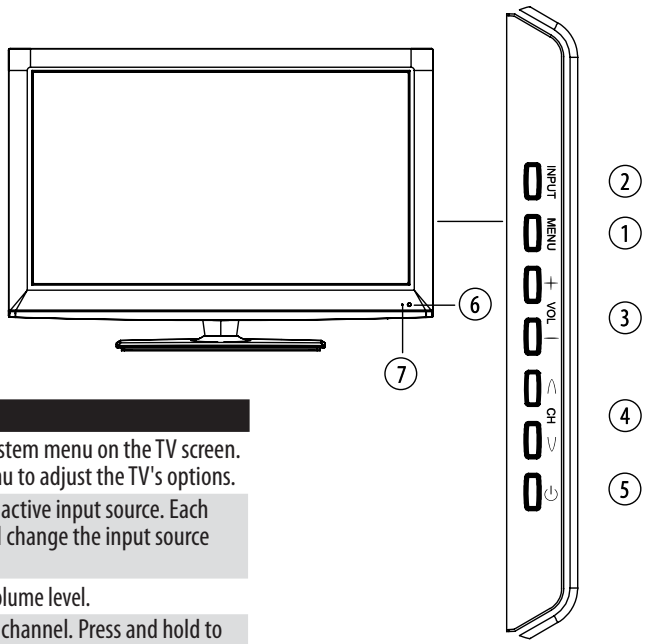
Introduction

Controls

This is a simplified representation of the TV front panel, side panel control buttons and side inputs.

TV Side panel controls and connections



①	**MENU**	Press to view the system menu on the TV screen. Use the system menu to adjust the TV's options.
②	**INPUT**	Press to change the active input source. Each successive press will change the input source mode.
③	**VOL +/-**	Press to adjust the volume level.
④	**CH +/-**	Press to change the channel. Press and hold to scan quickly through channels.
⑤	**POWER**	Press to turn the TV on or to place it in standby mode (off).
⑥	**Remote Sensor**	Receives IR signals from the remote control. Do not put anything near the sensor to avoid blocking the remote control signal.
⑦	**Power indicator**	Lights red when the TV is off (standby). Lights green when the TV is on. Flashes green and red while the TV is turning on.

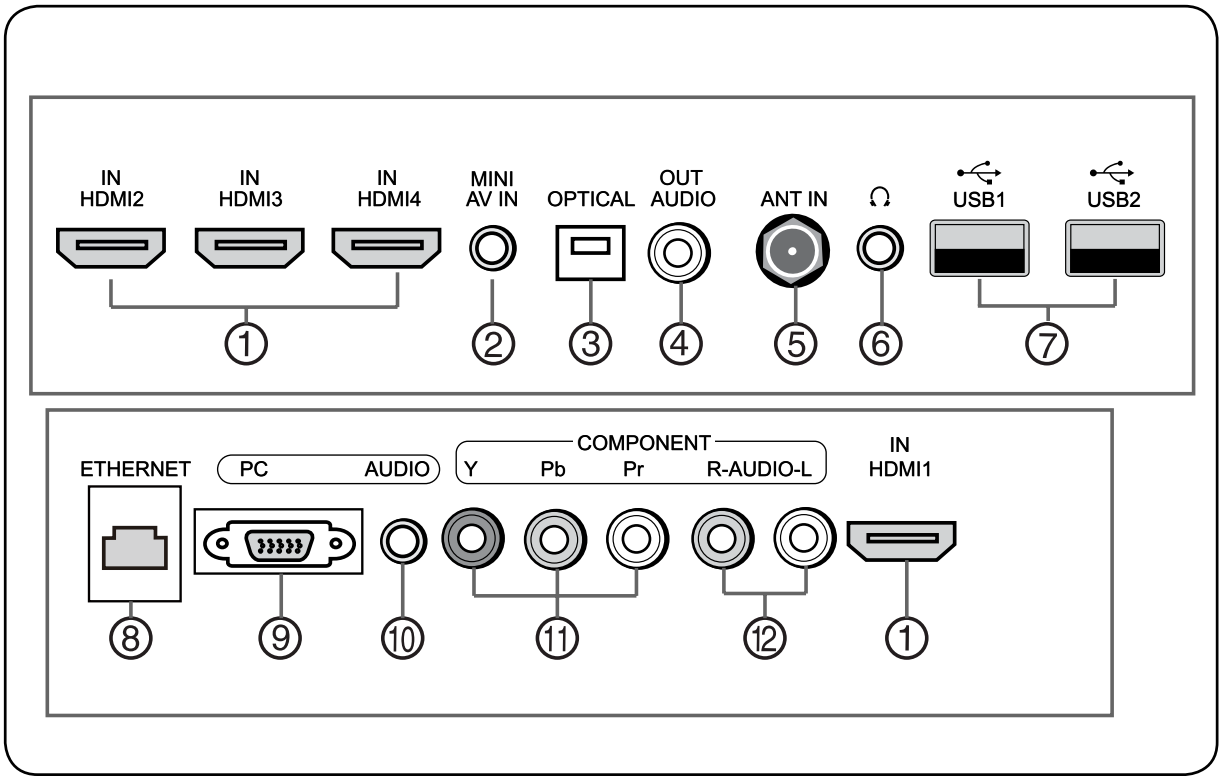
Note

In the **MENU** screen**:**

- **INPUT** serves as the **ENTER** button
- **VOL +/-** serve as left/right buttons
- **CH +/-** serve as up/down buttons.

Connection Options

Back panel connections



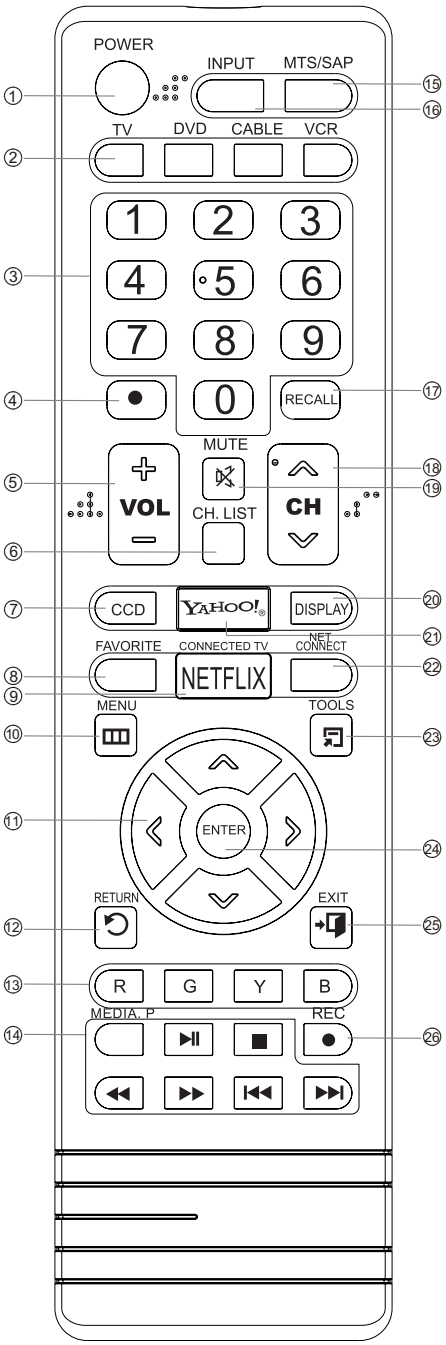
①	**HDMI In x4**	Connect an HDMI device to receive digital audio and uncompressed digital video. Input Modes: HDMI1, HDMI2, HDMI3, HDMI4. **Note** ✲ HDMI 1 supports ARC (Audio Return Channel).
②	**Mini AV In**	Connect the composite video and audio signal from a video device with the Mini AV Converter cable. Input Mode: Video.
③	**Optical Out**	Connect to a surround sound receiver that supports digital audio.
④	**Audio Out**	Connect to audio equipment that supports stereo audio.
⑤	**Antenna Input**	Connect cable or antenna signals to the TV either directly or through a cable box. Input Mode: TV.
⑥	**Headphone Jack**	Connect to a headphone with a 3.5 mm (1/8 in) plug.
⑦	**USB Input x2**	Connection for the included Wireless Network Adapter. Connect a USB flash memory drive for multimedia playback (music, movies, photos).

⑧	**Ethernet**	Connect to a network with a CAT-5 LAN cable (or better).
⑨	**PC Video In**	Connect video from a computer with a 15-pin D-Sub VGA cable. Input Mode: VGA.
⑩	**PC Audio In**	Connect stereo audio from a computer with a 3.5 mm stereo patch cable. Input Mode: VGA.
⑪	**Component Video In**	Connect video from a component video device with an RCA component cable. Input Mode: Component.
⑫	**Component Audio In**	Connect audio from a component video device with an RCA stereo cable. (Some component video cables include stereo plugs.) Input Mode: Component.

Universal Remote Control

The remote control cannot be operated unless the batteries are properly loaded.
When using the remote control, aim it at the remote sensor on the TV.

Function introduction



1	**Power**	Press to turn the TV on or to place it in standby mode (off).
2	**TV DVD CABLE VCR**	Select the remote control's active system mode. (This remote control can be set to work with other home theater components. Refer to the *Universal Remote Control* section to learn more.)
3	**Number buttons**	Press to tune to a specific channel.
4	**• button**	Press to tune to digital sub channels. For example, to enter "54-3", press "54", "•" and "3".
5	**VOLUME UP/DOWN**	Press to adjust the volume.
6	**CH.LIST**	Display the channel list in TV mode.
7	**CCD (Closed Caption Display)**	Select the closed caption display mode.
8	**FAV.LIST**	Press to display the favorite channel list in TV mode.
9	**NETFLIX**	Press to launch Netflix.
10	**MENU**	Press to display or exit menu.
11	**Arrow keys (Up/Down/ Left/Right)**	Navigate on-screen menus and adjust settings within the system menu.
12	**RETURN**	No function
13	**R G Y B**	Buttons used in the Channel list, Media Play menu, etc.
14	**Media Player Functions**	**MEDIA.P** Launch the Media Player for USB and DLNA media ⏮/⏭ Skip (Previous/Next) ◀◀/▶▶ Scan (Reverse/Forward) ■ Stop ⏯ Play/Pause
15	**MTS/SAP**	Select MONO, STEREO, SAP when watching a TV program that supports multi-channel audio.
16	**INPUT**	Change the active input source.
17	**RECALL**	Press to jump back and forth between two channels.
18	**CHANNEL UP/DOWN**	Press to browse TV channels. To scan quickly through channels, press and hold either / .
19	**MUTE**	Switches the sound on or off.
20	**DISPLAY**	Press to display the status information of the incoming signal. *
21	**YAHOO!**	Launches Yahoo!® Connected TV
22	**Net Connect**	Display the Net Connect main menu to launch Yahoo!®, Netflix, YouTube and more.
23	**TOOLS**	Make common adjustments to your TV settings quickly (e.g., aspect ratio, picture presets).
24	**ENTER**	Open the selected item in an on-screen menu.
25	**EXIT**	Press to return to the previous menu.
26	**REC**	Press to start timeshift. The timeshift option must be enabled in the system menu and a compatible USB drive must be connected to the TV.

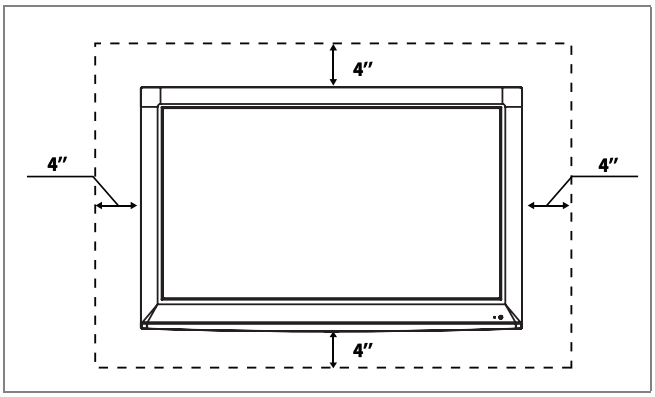
* DISPLAY indicates the incoming video signal the TV is receiving; the actual TV display resolution is 720p.

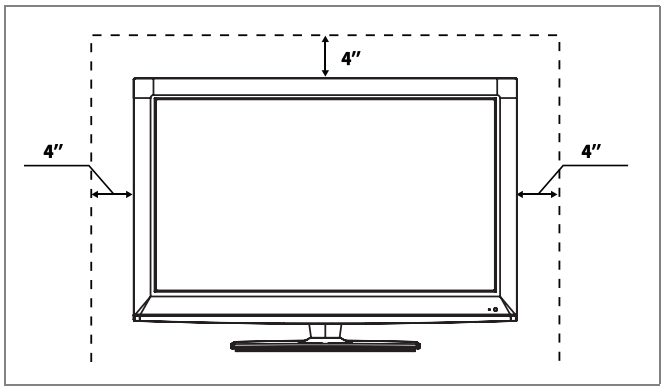
Accessories

- Remote Control x1
- Alkaline battery (AAA) x2
- Owner's manual x1
- Wireless USB Adapter x1
- Mini A/V converter cable x1
- USB extension cable x1

Choosing an Installation Space

Keep the required distances between the product and other objects (e.g., walls) to ensure proper ventilation. Failing to do so may result in fire or a problem with the product due to an increase in the internal temperature of the product.
Install the product so the required distances shown in the figure are kept.



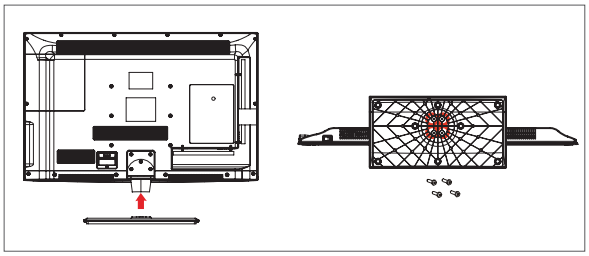


Note

✲ The appearance may differ depending on the product.

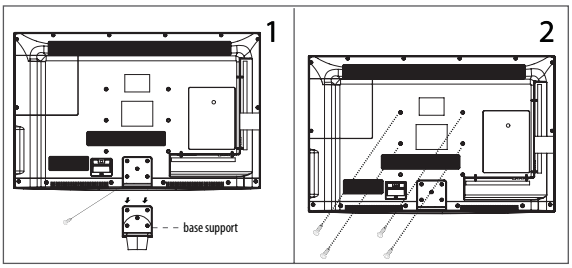
Install the Stand

Carefully place the TV screen side down on a table. We suggest that you place the wrapping material from the TV package on the table top to protect the screen from damage. Use a cross-head screwdriver with the included screws to connect the TV to the Stand as shown.



Wall Mount Installation

1. Removing the TV base support
When mounting the TV onto a wall, the TV base support must be removed (step 1 below).
2. Installing the mounting bracket
Use screws to secure the bracket included with the mount system to the back of your TV (step 2 below).



For more information on how to install a wall mount, refer to the wall mount's user manual. Make sure that you use a wall mount that meets the specifications of this TV.

Note

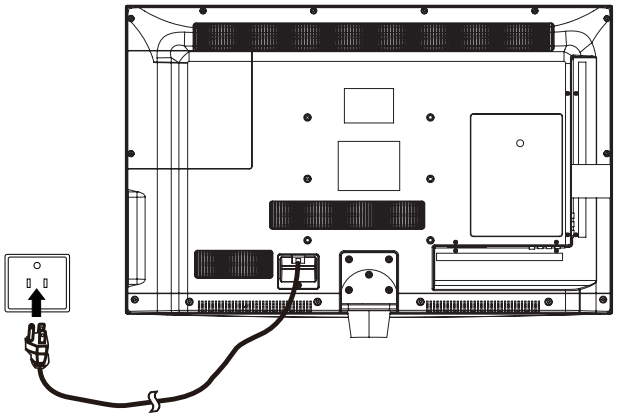
✲ The VESA size can be found in the *Specifications* section of this manual.

Installation

Connecting to a Power Outlet

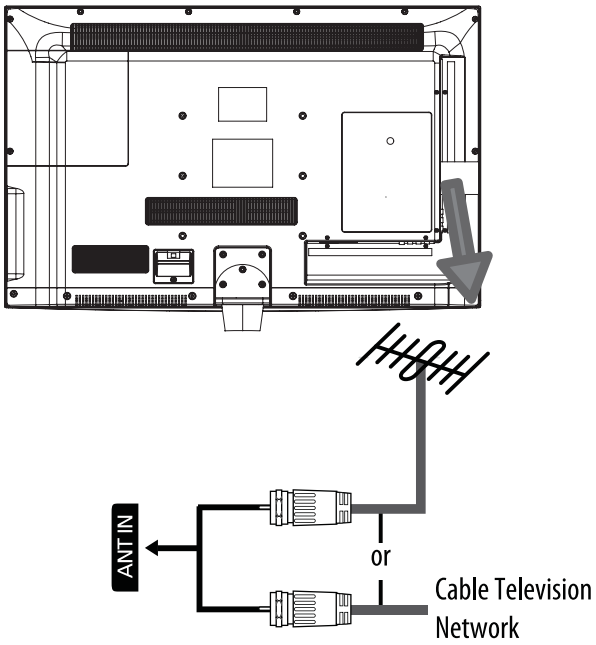
✹ To use an AC Power Supply

Connect the TV's power cable to the power outlet as shown in the figure.



Connecting an Antenna

Over-the-air TV reception quality will depend on your antenna type, antenna location and antenna positioning.



Note

- ✲ If you live in an area with poor signal reception, you an improve the picture quality by purchasing and installing a signal amplifier.
- ✲ If the antenna needs to be split for two TVs, install a "2-Way Signal Splitter".
- ✲ To install the antenna properly, please contact a professional in your area.

Connecting an A/V Device

Choose Your Connection

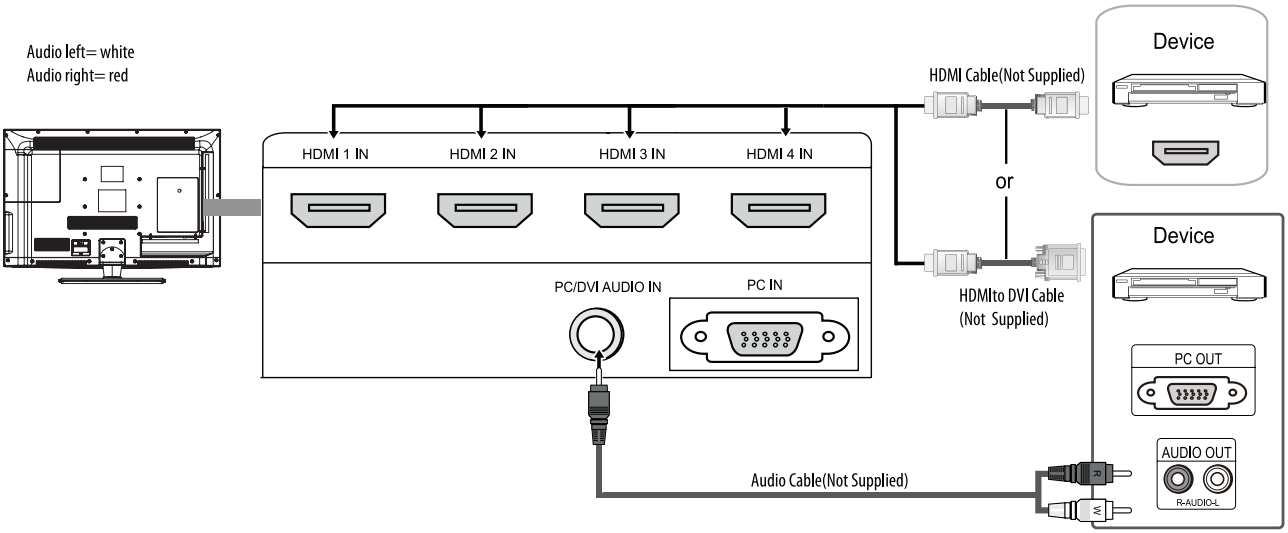
There are several ways to connect your television. Make your decision based upon the components you want to connect and the best picture quality that those components can deliver.

- ④ HDMI (Best quality)
- ④ PC (Better quality)
- ④ Component (Better quality)
- ④ Composite A/V (Good quality)

The following are examples of some different ways to connect your TV with different input sources.

Using an HDMI cable (HD)

An HDMI connection can transmit video resolutions up to 1080p. Available devices: DVD, Blu-ray player, HD cable box, HD STB (Set-Top-Box) satellite receiver.



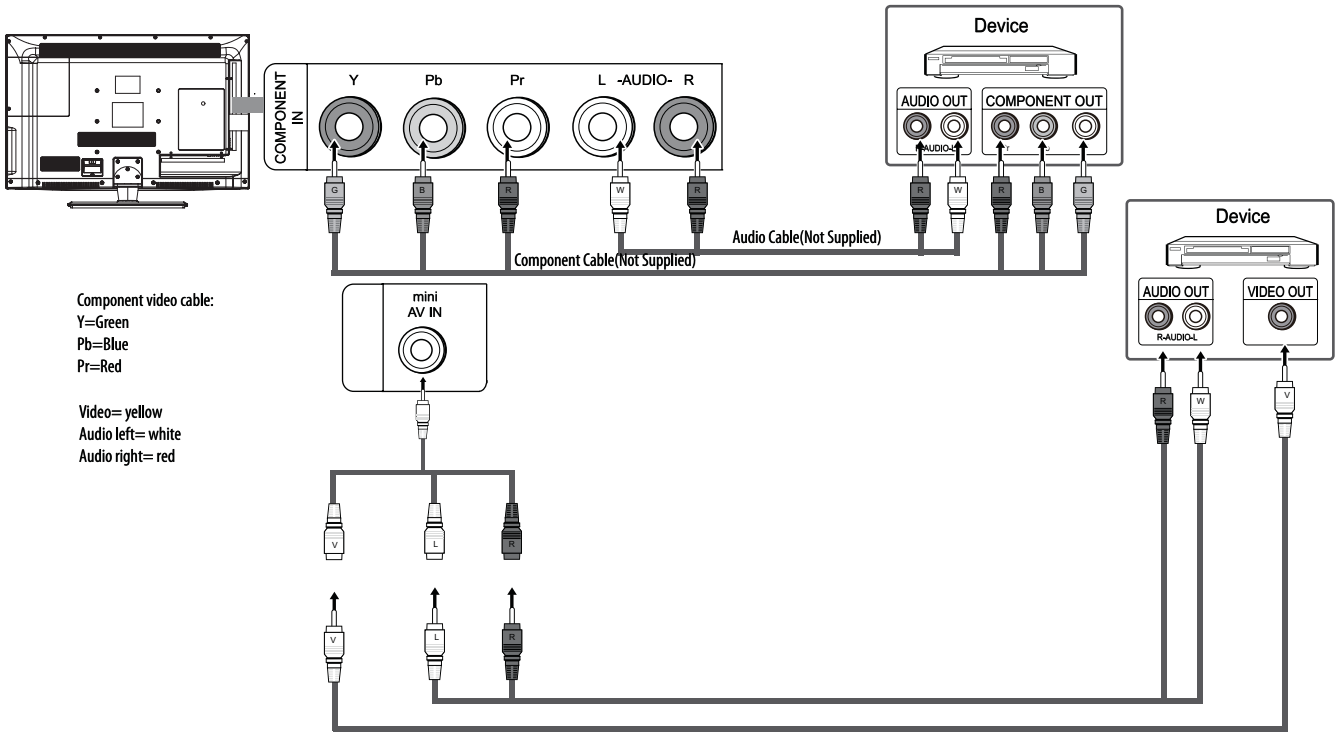
HDMI IN/DVI AUDIO IN

1. When using an HDMI to DVI cable connection for video, the PC/DVI AUDIO IN jack is required for audio.
2. Haier TVs support HDMI 1.4 Audio Return Channel (ARC). However, the ARC function is only supported on HDMI 1 IN (ARC).
   - ④ The ARC function enables digital output of sound using the HDMI 1 IN (ARC) port and will only work when the TV is connected to an audio receiver that supports the ARC function.
   - ④ When the active Input source is **TV**, the ARC function allows audio to be heard from a receiver. The audio is sent to a receiver from the TV via the HDMI cable without the need for a separate optical cable.
   - ④ ARC Single mode requires connecting with a Category 2 High Speed HDMI cable.
3. Always use HDMI-certified cables. Non-certified cables are not supported and may result in connection errors or a blank screen.

* Non-certified HDMI device may cause the problem with no sound, Please switch off the power supply and restart the TV if the HDMI source is Abnormal.

Using a Component (HD) or Composite A/V (SD) cable

A component connection can transmit HD video resolutions up to 1080p. A composite Audio/Video (AV) connection can transmit SD resolutions up to 480i. Available devices: Digital Audio System, Amplifier, Home Theater.



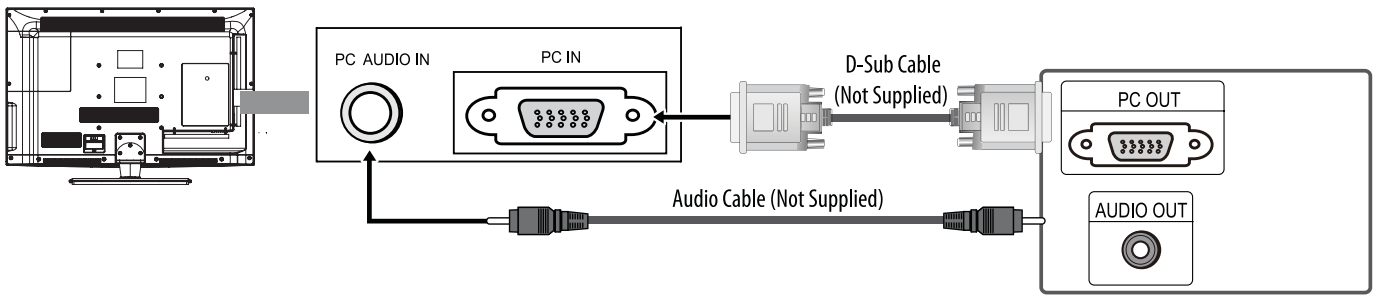
Note

* When available, use a Component rather than A/V connection for better picture quality.

Connecting to a PC

Using a D-Sub Cable

A 15-pin D-Sub (VGA) connection can transmit video resolutions up to 1080p. You may also use an HDMI or DVI cable if your PC supports those connections. (A DVI connection requires an optional DVI to HDMI adapter.)



Display Modes (D-Sub and HDMI/DVI Input)

Optimal resolution is 1366X768 @ 60Hz.

Mode	Resolution	Horizontal Frequency (KHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	720x400	31.469	701.087	28.322	-/+
MAC	640x480	35.000	66.667	30.240	-/-
	832x624	49.726	74.551	57.284	-/-
VESA DMT	640x480	37.861	72.809	31.500	-/-
	640x480	37.500	75.000	31.500	-/-
	800x600	37.879	60.317	40.000	+/+
	800x600	48.007	72.118	50.000	+/+
	800x600	46.875	75.000	49.500	+/+
	1024x768	48.363	60.004	65.000	-/-
	1024x768	56.476	70.069	75.000	-/-
	1024x768	60.023	75.029	78.750	+/+
	1280x720	45.000	60.000	74.250	+/+

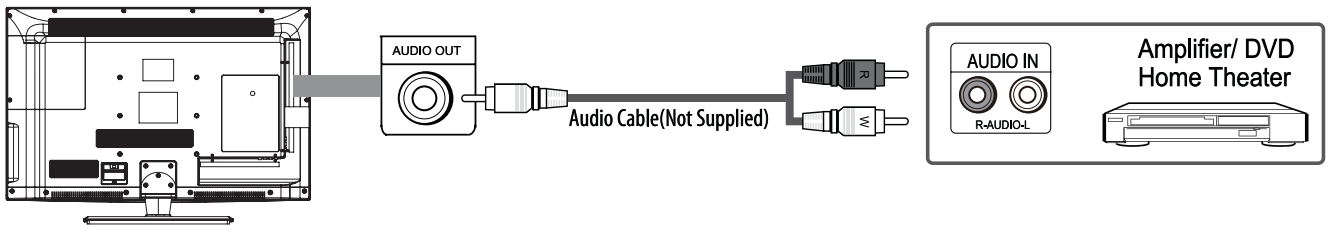
Note

* The set may operate abnormally if a non-standard video format is selected.
* Separate and Composite modes are supported. SOG (Sync On Green) is not supported.

Connecting to an Audio Device

Using an Analog Audio Cable

An analog audio connection can transmit two-channel (stereo) sound. Available devices: Digital Audio System, Amplifier, DVD Home Theater.



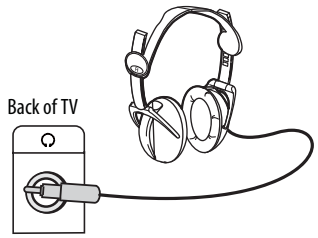
Audio left= white
Audio right= red

Note

1. An 3.5mm to RCA stereo audio adapter cable is required to make this connection and is sold separately.
2. When an audio amplifier is connected to the AUDIO OUT jacks: Decrease the volume of the TV and adjust the volume level with the Amplifier's volume control.

Connecting Headphones

Connect a set of headphones to your TV to watch programs without disturbing the other people in the room.



Plug a set of headphones into the 3.5 mm jack on the back panel of the TV.

Note

* Prolonged use of headphones at a high volume may damage your hearing.
* When headphones are connected, the TV's speakers will remain active. To disable the speakers: 1) Select the **Audio** menu and press the ▶/ **ENTER** button; 2) Press the ▲ / ▼ button to select Speaker and then press the ◀ / ▶ button to select "Off".

Connecting to a Network

Choosing a wireless or wired network connection

A wireless connection is the easiest way to connect your TV to the internet. Under ideal conditions, a wireless connection is fast enough to display HD quality video on your TV.
A wired connection can be a good choice if you have an Internet router that is near your TV. A wired connection provides a fast and stable connection to display HD quality video on your TV.

Note

* Your Haier TV includes a wireless network adapter, but you will also need a Wi-Fi router with a broadband connection to the Internet. If you do not have a Wi-Fi router, contact your Internet Service Provider to help you obtain and install one.
* The maximum speed supported by the wireless adapter is 300 Mbps. Actual speeds are dependent on many different factors and are generally lower.

Using the wireless network adapter

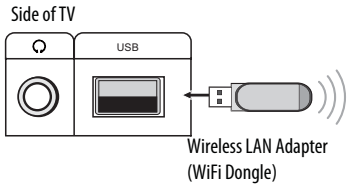
To connect your TV to the Internet wirelessly, you will need:

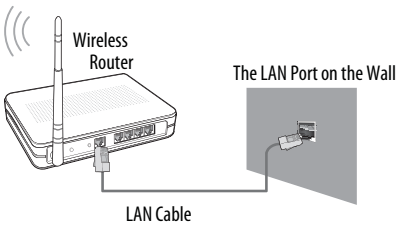
④ A wireless (Wi-Fi) router connected to the Internet

④ A wireless network adapter (included)

To install the wireless network USB adapter:

1. Turn the TV off.
2. Remove the cap from the adapter and plug it into the USB1 or USB2 connectors on the side of the TV.





To configure the wireless network options:

1. Turn the TV on and press **MENU** to access the system menu.
2. Press ▲ / ▼ to select Function and then press **Enter.**
3. Press ▲ / ▼ to select Network and then press **Enter.**
4. Press ▲ / ▼ to select Configuration and then press **Enter.**
5. Press ▲ / ▼ to select Interface and then press ◀ / ▶ to select Wireless.
6. Press ▲ / ▼ to select Wireless Setting and then press **Enter.**
7. Press ▲ / ▼ to select Scan and then press **Enter.** A list of available Wi-Fi networks will be displayed.
8. Press ▲ / ▼ to select your Wi-Fi network and then press **Enter**. Provide the password to your network if it is required. Press ▶ to finish connecting to your network.

Note

- ✲ Do not use symbols in your Wi-Fi network password. You may need to change your network password on your wireless router's administration page.
- ✲ If your wireless router is not configured to automatically assign an IP address (DHCP), you will need to manually configure the IP Setting option. Refer to the *Function Menu* section of this manual to learn more.
- ✲ If your wireless router is not configured to broadcast the name of your network (SSID), you will need to manually the Wireless Setting option.
- ✲ The included wireless network USB adapter will work with IEEE 802.11 a/b/g/n Wi-Fi networks. An 802.11n Wi-Fi network is required for HD video quality.
- ✲ Enable the "Ping" connection feature of your router if possible.
- ✲ Select a channel for your wireless router that is not being used to avoid signal interference and connection failure.
- ✲ Video streamed from a DLNA device may not play smoothly over 802.11 a/b/g networks.

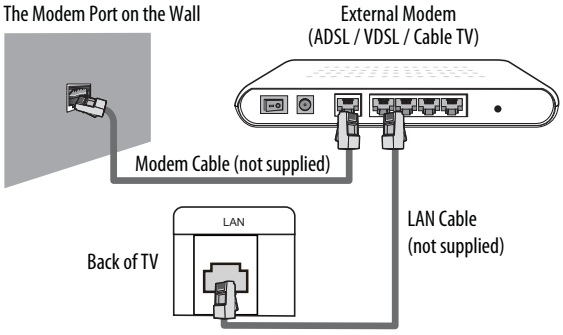
Using a wired network cable

To connect your TV to the Internet with a cable, you will need:

- A Cat-5 LAN cable (or better)
- A modem with built-in router that is connected to the Internet

Refer to the diagram to connect your TV to the Internet.

1. Make sure that your modem is properly connected to the Internet.
2. Use a LAN cable to connect one of the LAN output ports of the modem to the TV.



To configure the network options:

1. Turn the TV on and press **MENU** to access the system menu.
2. Press ▲ / ▼ to select Function and then press **Enter.**
3. Press ▲ / ▼ to select Network and then press **Enter.**
4. Press ▲ / ▼ to select Configuration and then press **Enter.**

5. Press ▲ / ▼ to select Interface and then press ◀ / ▶ to select Ethernet.
6. Press ▲ / ▼ to select IP Setting and then press **Enter.**
7. Press ▲ / ▼ to select Address Type and then press ◀ / ▶ to select AUTO.
8. Wait two minutes, and then press the **BACK** button on the remote. Select Connection Test to check the make sure that your TV is successfully connected to the Internet.

Note

- ✲ If your modem/router is not configured to automatically assign an IP address (DHCP), you will need to manually configure the IP Setting option. Refer to the *Function Menu* section of this manual to learn more.
- ✲ There are many network configurations that are possible. For example, your modem may not have a built-in router. In such a case, you may need to purchase a separate router, or you may connect the TV directly to the modem. Please contact your Internet Service Provider if you need network setup assistance.
- ✲ The terminal port positions and types of your modem may differ between manufacturers.
- ✲ If you have an ADSL modem, it must support automatic connections and DHCP.

Operation

The first time that you turn on your TV, you will be guided through an initial setup process. Please follow the instructions provided on the screen to complete this process.
There are several options in the system menu that you may need to adjust in order for your TV to work properly. Please read the instructions that follow carefully.

Note

✲ The drawings of the screen menus found in this manual may differ slightly from what you see on your TV. These drawings are for illustrative purposes only and are intended to guide your TV operation.

Getting Started

Switching the TV set on/off

1. Connect the power cord to a wall outlet and then press **Power** to turn the TV on. The **Power Indicator** will flash green and red for several seconds as the TV turns on.
2. Select the input source that you want to view by pressing the **INPUT** button on the remote control.
3. When you are finished using the TV, press the **POWER** button on the remote control. The TV will return to standby mode.
4. If you will not use the TV for an extended period of time, it is recommended to disconnect the power plug from the wall power outlet.

Note

✲ When the TV is powered on, an on screen display will indicate the active input source for a few moments. If a signal is not detected at that input, "No Signal" will be displayed on the screen.

✲ If you plug in a USB or wifi, please wait for about 4 seconds to power indication start blinking.

Choose the menu language

Select the language that will be used for displaying system menus and messages as part of the initial TV setup.

1. Choose the **TV** input and then press the **MENU** button.
2. Press the ▲ / ▼ buttons to select the **Function** menu.
3. Press the ▶/ **ENTER** button and then use the ▲ / ▼ buttons to select **Language**.
4. Press the ◀ / ▶ button to select a language (**English, Español or Français**).

Choose the Input source

Change the active input source to watch TV, or to watch other devices that are connected to your TV (e.g., VCR, DVD player, cable box).

④ Press the **INPUT** button once to see the Input Source display. Continue to press the **INPUT** button until the input source that you want is active (e.g., HDMI1, Component, Video, VGA).

Select the desired program

1. Using the **CH ∧ / ∨** buttons.
   Press the **CH ∧** button to tune to a higher channel.
   Press the **CH ∨** button to tune to a lower channel.
2. You can also tune to a channel directly by entering the channel number using the number pad on the remote control and then pressing **ENTER**.

Note

✲ If skip is set to ON for a channel, pressing the **CH ∧ / ∨** buttons will not show the skipped channel(s).

Select the desired volume level

Press the **VOL-/+** buttons on the remote or on the side of the TV set to adjust the volume level. The range is 0~100. When the volume buttons are pressed the volume level is displayed automatically on the TV screen.

Mute

1. Press the **MUTE** button on the remote control and an icon indicating the MUTE function is active will display on the screen. At this time, the sound of the TV set is turned off.
2. To restore sound, press the **MUTE** button again or press the **VOL+** button.

SAP Broadcasts Setup

This TV can receive MTS stereo programs and SAP (Secondary Audio Program) that accompanies the stereo program if a station transmits an additional sound signal. When the **MTS** button on the remote control is pressed, the TV will only receive the signal if the TV station transmits the proper signals.
Mono sound is automatically received if the broadcast is only in Mono, even if Stereo or SAP has been selected. Select Mono if you want to listen to mono sound during stereo/SAP broadcasting. Stereo or SAP can be received in an analog channel.

1. Use the MTS button to select your desired MTS mode in an analog signal.
   - Each time you press the **MTS** button, Mono, Stereo or SAP appear. If other languages are available in the digital signal, select them with the **MTS** button.
2. Press the **EXIT** button to save and return to TV viewing.

Channel menu

1. This TV set has two methods to set the channels: Channel Scan and Channel Skip.
2. In this section, using the remote control to set the channels is explained. You can also use the buttons on the TV to set the channels.

Note

- The Channel Menu is only accessible when the input source is set to TV.

Channel Scan

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **TV** menu.
2. Press the ▶ **/ ENTER** button to select **Antenna**.
3. Press the ◀ / ▶ button to select **Air** or **Cable** mode.
4. Press the ▲ / ▼ button to select **Channel Scan**.

5. Press the ▶ **/ ENTER** button to start searching.
6. To cancel searching, press the **EXIT** button.

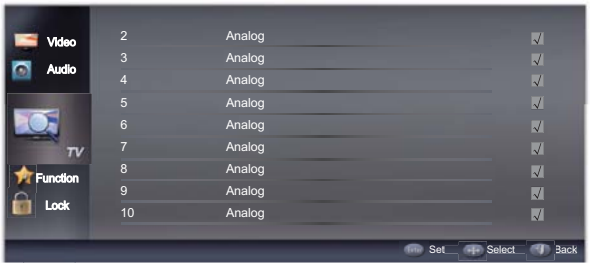
Note

- When **Air** is selected, the TV will detect antenna signals and will search for NTSC (analog) and ATSC (digital) TV channels available in your local area.
- When **Cable** is selected, the TV will detect signals supplied by your cable company. It will search for NTSC and QAM modulated channels available in your area.

Channel Skip

A channel that has been set to skip will not be viewable when using the ▲ / ▼ buttons to browse channels. A skipped channel can be viewed by using the remote control keypad to select the skipped channel. Default unscanned analog channels are set to skip. Channels with a check mark icon are skipped channels..

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Channel** menu.
2. Press the ▶ **/ ENTER** button and then use the ▲ / ▼ button to select **Channel Skip**.
3. Press the ▲ / ▼ button to select a channel, then press the **ENTER** button to toggle between ☑ and ☐.



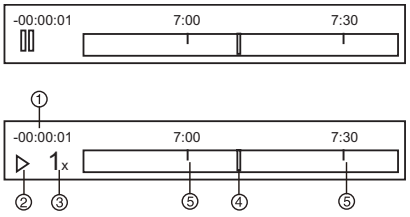
Time Shifting Mode

Time Shift works in TV mode, only. To use Time Shift, it must be enabled in the Function menu. A compatible USB drive must also be installed.

To set up your installed USB drive, press **REC**. Follow the instructions provided on the screen to complete the Disk Setup guide.

After the Disk Setup guide has been completed successfully:

1. Press **PLAY/PAUSE** to play or pause the program. If you want to stop the time shift function, press the **EXIT** button.



1. Time shift time. The time delay to the current program time.
2. Playback status: Shows the current status (Play, Pause, Fast Forward, Rewind).

▶II	**Play/Pause**	▶▶	**Fast forward**
■	**Stop**	◀◀	**Fast backward**

3. Playback speed: Shows the current playback speed (1x,2x,4x,8x,16x,32x).
4. Playback position: Shows the current playback position. The playback position is always at the center of the time bar.
5. Time scale: shows the time in half hour increments.

Note

- Time Shift function is only available in TV mode. Please connect the TV antenna or Cable TV coaxial cable to the Antenna input on the TV. Then, complete the channel scan. The Time Shift feature only is available when using your ATSC tuner and QAM cable tuner.
- The maximum recording duration is determined by the memory size of the USB drive and the signal resolution. Please use a high-speed USB 2.0 drive with a minimum capacity of 1 GB.
- Time shift is only supported on USB drives formatted to the FAT32 file-system.
- Time shift supports recordings larger than 4 GB by using multi-file storage.
- When the maximum recording duration is reached, the oldest program will be deleted and replaced by the newest program.
- When changing channels or changing input source, the time shift will stop automatically.
- Time shift will store video, audio and data service. Maximum allowed:
  - Video streams: Max 1 stream
  - Audio streams: Max 8 streams
  - CC stream: Unlimited.
- Recordings are not guaranteed to be stored on the disk. If the timeshift playback plays a corrupted data block, it will show "Data lost" message to indicate that the current data is not stored correctly.
- Do not quickly and repeatedly change operations between play/pause/stop/fast forward/fast backward
- If the phenomenon of TV crashes, please re-power-on boot.

Video menu

Press the **MENU** button and then use the ▲ / ▼ button to select the **Video** menu.

Note

✲ Depending on the active input mode, one or more menu items may not be selectable.

How to select picture mode

The picture mode provides the pre-defined video settings: User, Mild, Standard, Vivid and Movie.

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Video** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select **Picture Mode**.
3. Press the ◀ / ▶ button to select the option User, Mild, Standard, Vivid and Movie.

How to customize video settings

1. Press the **MENU** button and then use the ▲ / ▼ button to select **Video** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select the desired items.
3. Press the ▶ / **ENTER** button and then use the ◀ / ▶ button to adjust the setting.

■ **Picture Mode**
Select the picture mode (User/Mild/Standard/Vivid/Movie).

■ **Brightness**
This will adjust the light output of the complete picture. This will mainly affect the darker areas of the picture.

■ **Contrast**
This will adjust the intensity of bright parts in the picture but keep the dark parts unchanged.

■ **Color**
This will adjust the saturation level of the colors to suit your personal preference.

■ **Tint**
Allows you to select the color mix (Tint) of the picture.

■ **Sharpness**
This will adjust the sharpness of fine details in the picture.

Note

✲ Video adjustments are only available in the User mode.

✲ If adjustments are attempted in any of the other Picture modes the system will automatically switch to the User mode.

✲ Only when the picture mode is set to User can the Brightness, Contrast, Color, Tint, Sharpness and Color Temperature be adjusted. All other Picture Modes are preset.

■ **Color temperature**
This will increase or decrease Warm (red) and Cool (blue) colors to suit your personal preference.
Select Cool to give the white colors a blue tint, Normal to give the white colors a neutral tint, Warm to give the white colors a red tint.

■ **Advanced Video**
To adjust the picture in advanced: DNR, MPEG NR, Adaptive Luma Control, Flesh Tone, DI Film Mode, Blue Stretch, Game Mode, HDMI Mode and Overscan.

- **DNR:** Digital Noise Reduction. Adjust to reduce the appearance of errors caused by compression: Medium/Strong/Auto/Off/Low.
- **MPEG NR:** Adjust the MPEG Noise Reduction level: Medium, Strong, Off or Low.
- **Adaptive Luma Control:** Adjust changes in the luminance of the picture: Medium, Strong, Off or Low.
- **Flesh Tone:** Adjust the flesh tone colors: High, Off, Low or Medium.
- **DI film mode:** Set DI film mode: Auto or off.
- **Over Scan:** This function is active and visible in menu only when the signal is ELA timing (480i/480p/720p/1080i/1080p) in RGB color space in HDMI/DVI input

✲ The function could only be selected when you input the HDMI RGB signal by the HDMI source.

- **Blue Stretch:** Set Blue Stretch: On or Off.

PC Set

These options are available when the VGA input source mode is active.

- **Auto Adjust**: Automatically adjust the display of the picture (only available with a PC source).
- **H. Position**: Press the ▲ / ▼ button and then press the ◀ / ▶ button to adjust the horizontal position of the picture.
- **V. Position**: Press the ▲ / ▼ button and then press the ◀ / ▶ button to adjust the vertical position of the picture.
- **Phase**: Adjust the phase of the pixel clock.
- **Clock**: Adjust the clock of the input signal.

✲ Please manual adjusting the picture when its' position is prejudiced.

Audio menu

How to select audio mode

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Audio** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select **Sound Mode**.

3. Press the ▶ / **ENTER** button to select the audio mode (Off, Rock, Pop, Live, Dance, Techno, Classic and Soft).

How to customize audio settings

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Audio** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select desired items.
3. Press the ▶ / **ENTER** button and then use the ◀ / ▶ button to adjust the setting.

- **Balance**: Adjust to emphasize left or right speaker balance.
- **Bass**: Adjust to increase or decrease lower-pitched sounds.
- **Treble**: Adjust to increase or decrease higher-pitched sounds.
- **Sound Mode**: To adjust the equalizer: Off, Rock, Pop, Live, Dance, Techno, Classic and Soft.
- **Speaker**: To adjust the speaker on, off or Auto (CEC).
- **SPDIF Type:** To adjust the SPDIF type of the Optical Audio output: Off, Dolby Digital or PCM.
- **AVL (Auto Volume Leveler)**: This will reduce the differences in volume level during commercials or when changing the channel.

Function menu

Menu Language

When you start using your set for the first time, you must select the language which will be used for displaying menus and messages.

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Function** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select **Language**.
3. Press the ◀ / ▶ button to select a language. (**English, Español or Français**)

Aspect Ratio

Occasionally, you may want to change the size of the image on your screen. Your TV comes with several screen size options, each designed to work best with specific types of video input. Your cable box/satellite receiver may have its own set of screen sizes as well. In general, though, you should view the TV in Normal mode as much as possible.

Note

✲ If a fixed image is displayed on the screen for a long time, the image may become permanently burned on the screen and remain visible.

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Function** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select **Aspect Ratio**.
3. Press the ◀ / ▶ button to select **16:9, Normal, Cinema, Zoom**.

Note

✲ You could only select 16:9 and Normal mode in PC source.

OSD Timeout

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Function** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select **OSD Timeout**.
3. Press the ◀ / ▶ button to select **Short**, **Middle** or **Long**. (Short is for 5 seconds; Middle is for 10 seconds; Long is for 15 seconds)

DPMS

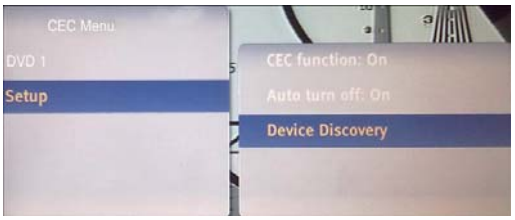
Press the ▶ / **ENTER** button to selet On or Off.

1. In PC mode, the TV will go into standby mode automatically if there is no PC input signal present for 1 minute. The set will turn on and automatically go into PC mode when the PC input is connected.
2. With all other sources, the set will go into standby mode automatically if there is no signal present for 5 minutes.

CEC Setup Menu

Consumer Electronic Control (CEC) allows you to control other devices using your remote control when those devices are connected via HDMI.

1. Press the **TOOLS** button on the remote and then use the ▲ / ▼ button to select **CEC Setup Menu**.



2. Press the ◀ / ▶ button to set.

CEC function: Turn CEC On of Off. When set to Off, your TV will not send or receive any CEC commands.

Device Discovery: Register devices with your TV. Before CEC will work, perform a device discovery to see if there are any CEC supported devices connected to your TV.

Note

✲ Only devices that support CEC will be compatible with this function.

DCR

Dynamic Contrast Ratio. Press the ◀ / ▶ button to select On or Off.

Note

✲ Dynamic Contrast delivers deeper blacks in predominantly dark scenes and brighter whites in bright scenes.

Blue Screen

This will select the background color.

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Function** menu.
2. Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select **Blue Screen**.
3. Press the ◀ / ▶ button to select **On** or **Off**.

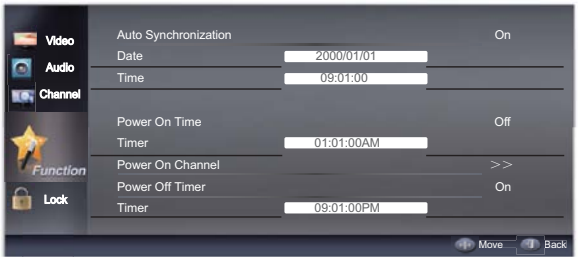
Note

✲ When Blue Screen is set to On, the TV will display a blue screen when there is no signal present. When it is set to Off, a black screen will be displayed.

Time Setup

This function allows you to select your local time zone. Broadcasted time information will correct the clock display for your local time.

- **Time Zone**: Press the ◀ / ▶ button to select the appropriate time zone.
- **Date/Time**: Press the ▶ / **ENTER** button to enter the submenu.



Auto Synchronization: Press the ◀ / ▶ button to select On or Off. When Auto Synchronization mode is on, the time cannot be adjusted. Select Off, to set the time manually.

Date: Press the ◀ / ▶ buttons to select the position and use the number buttons to set the date.

Time: Press the ◀ / ▶ buttons to select the position and use the number buttons to set the time. Press the ENTER button to switch AM and PM.

Note

✲ A daily or one-time preset on/off time can be programmed.

Power On/Off Time: Press the ◀ / ▶ buttons to select **On, Off** or **once**. If Off is selected, the time cannot be adjusted.

Timer: Press the ◀ / ▶ buttons to select the position and use the number buttons to set the time. Press the **ENTER** button to switch AM and PM.

- **Sleep Timer**: Press the ◀ / ▶ buttons to select the number of minutes: Off, 5 Minutes, 10 Minutes, 15 Minutes, 30 Minutes, 60 Minutes, 90 Minutes, 120 Minutes, 180 Minutes or 240 Minutes.

Closed Caption

This allows you to modify how digital captions are displayed on your TV. Select from the following options to change the visual characteristics of your TV's digital captioning. Customize the DTV/CADTV captions that appear on your screen.

Press the ▶ / **ENTER** button to enter the submenu.

- **Analog Caption**: Press the ◀ / ▶ button to select the Closed Caption options. It helps the hearing impaired with the broadcast program, as well as helping children learn how to read. A built in decoder displays the audio portion of a program as text on the screen when this option is selected.
  - CC1: When CC1 is displayed on the TV, it means CC mode is turned on.
  - CC2 to CC4: For other modes of video related broadcast information.
  - Text1: For program guide and other information

displayed by broadcasters. (This blocks a large portion of the picture on your screen).

- Text2 to Text4: For other modes of information displayed by broadcasters. (This blocks a large portion of the picture on your screen).

IMPORTANT: Closed captioning availability entirely depends on broadcasters supplying the signal. Therefore, closed captioning might not always be available and language availability will differ by broadcast.
Select CC1 for full translation of the primary language such as English in your area. Select CC2 for secondary language translation such as French or any other language that may be broadcast in your area.

- **Digital Closed Caption**: Press the ◀ / ▶ button to select Off/Service1/Service2/Service3/Service4/Service5/Service6.

There are 6 standard services. Select one of the digital service channels made available by the caption provider. Service 1 is designated as the Primary Caption Service. This service contains the verbatim, or near-verbatim captions for the primary language being spoken in the accompanying program audio. Service 2 is designated as the Secondary Language Service. This service contains captions in a secondary language which are translations of the captions in the primary Caption Service. The other service subchannels are not pre-assigned. It is up to the discretion of the individual caption provider to utilize the remaining service channels.

- **Digital Caption Style**: Press the ▶ / **ENTER** button to enter the submenu.
  - Caption Style: Select Default or Custom mode.
  - Font Size: To adjust the font size: Large, Small or Medium.
  - Font Style: To adjust the font style: Style1, Style2, Style3, Style4, Style5, Style6 or Style7.
  - Font Color: To adjust the font color: White, Green, Blue, Red, Cyan, Yellow, Magenta or Black.
  - Font Opacity: To adjust the font opacity: Solid, Translucent or Transparent.
  - Background Color: To adjust the background color: Black, White, Green, Blue, Red, Cyan, Yellow or Magenta.
  - Background Opacity: To adjust the background opacity: Solid, Translucent or Transparent.
  - Window Color**:** To adjust the window color: Black, White, Green, Blue, Red, Cyan, Yellow or Magenta.
  - Window Opacity: To adjust the window opacity: Translucent, Transparent or Solid.

Network Setup

This function allows you to adjust your connected TV options. Press **Enter** to see the submenu options described below.

Configuration

Configure your TV's wireless or wired Internet network connection.
Enable DHCP on your Internet router whenever possible. The router will then automatically assign an IP address to your TV when it is connected to the network. If you must use a static IP address, you can manually configure your TV using the settings in this menu.

Note

✲ This section describes the network configuration options. To learn how to connect your TV to a network, refer to the *Installation* section of this manual.

- **Internet Connection:** Press the ◀ / ▶ buttons to turn the network connection On or Off. This option must be set to On to use the Connected TV features.
- **Interface:** Press the ◀ / ▶ buttons to set the active network adapter to Ethernet (wired) or Wireless.
- **Wireless setting:** When the Interface option is set to Wireless, you will be able to configure your wireless adapter options. (Make sure that the included wireless adapter is plugged into one of the TV's USB ports.)
  - Scan: View a list of all wireless networks within range of the TV. Select your network from this list and then enter the network password if required.
  - Manual: Configure your wireless network manually. You will need to know your network SSID, security mode type, and security passkey.
  - Auto: If your router supports Wi-Fi Protected Sharing (WPS), you can complete network

setup by entering a PIN code on your router's configuration website or by pressing a button on your router (PBC).

- **Information:** View diagnostic information about the current network connection.
- **IP Setting:** Press the ◀ / ▶ buttons to change the address type to Manual if you need to configure your TV's network address manually. You will need to know your network's IP address, Subnet Mask, Default Gateway, Primary DNS, and Secondary DNS. Most networks do not need manual configuration. Do not alter these settings unless you know how to assign IP addresses manually on a network.
- **Connection Test:** Check to see if your TV is connected to the network successfully.

Network Upgrade

The software that controls your TV may be upgraded by Haier from time to time. Select this option to check for new updates. Updates may add features to your TV, improve how the TV works, or fix software bugs.
If an update exists, follow the on-screen directions to download and install the update.

Note

✲ Never interrupt an update that is in progress. Doing so may render your TV inoperable.

Applications

This function allows you to adjust the options of some of your TV's connected features.

Note

✲ From time to time, Haier may add new applications to your TV to improve your Connected TV experience. These new applications may be installed as part of a network upgrade that you can perform yourself (refer to the preceding section *Network Upgrade*). Please visit our website at *www.haieramerica.com* for the latest product information and documentation.

- **DLNA:** Press the ◀ / ▶ buttons to turn the Digital Living Network Alliance feature On or Off. This option must be set to On to play media from DLNA devices on your network. Refer to the section *DLNA (Digital Living Network Alliance)* to learn more.
- **Netflix:** Adjust Netflix options.
- **Deactivate.** Unlink this TV from your Netflix account.
- **ESN.** View your Netflix Electronic Serial Number. This is a unique number that identifies your TV to the Netflix service. If you have problems connecting to the Netflix application, you may need to provide your ESN to Netflix customer service.

Yahoo!® Connected TV version info

Press **ENTER** button to display the Yahoo!® Connected TV version.

Yahoo!® Connected TV Reset Default

Press **ENTER** button, and select YES item to return the Yahoo!® Connected TV settings to their initial state.

Reset Default

Press the ▶ / **ENTER** button to enter the submenu.
If OK is selected and confirmed, then the TV's settings will be returned to their factory default options.
Resetting to the factory default will affect video, audio and function settings only. All Channel programming information will remain.

Lock Menu

Parental Control can be used to block specific channels and content by using a rating system.

The parental control function is used to block program viewing based on the ratings sent by the broadcasting station. The default setting is to allow all programs to be viewed. Viewing can be blocked by choosing the type of the program and the categories.

Parental Control rating and categories

Rating guidelines are provided by broadcasting stations. Most television programs and television movies can be blocked by TV Rating or Individual Categories. Movies that have been shown at the theaters or direct-to-video movies use the Movie Rating System (MPAA) only.

Ratings for Television programs:

Parental Guide:	
TV-Y	(All children)
TV-Y7	(Children 7 years older)
TV-G	(General audience)
TV-PG	(Parental guidance suggested)
TV-14	(Parents strongly cautioned)
TV-MA	(Mature audience only)

TV Rating:	
A (Age)	(applies to TV-Y, TV-Y7, TV-G, TV-PG, TV-14, TV-MA)
D (Dialogue - sexual dialogue)	(applies to TV-PG, TV-14)
L (Language - adult language)	(applies to TV-PG, TV-14, TV-MA)
S (Sex - sexual situations)	(applies to TV-PG, TV-14, TV-MA)
V (Violence)	(applies to TV-PG, TV-14, TV-MA)
FV (Fantasy Violence)	(applies to TV-Y7)

Ratings for Movies previously shown in theaters:

MPAA Rating:	
G	(General audience)
PG	(Parental guidance suggested)
PG-13	(Parents strongly cautioned)
R	(Restricted)
NC-17	(No one 17 and under admitted)
X	(Adult only)

If you set PG-13 : G and PG movies will be available, PG-13, R, NC-17 and X will be blocked.

CA Eng Rating:	
C	Children
C8+	Children eight years and older
G	General Programming, suitable for all audiences
PG	Parental Guidance
14+	Viewers 14 years and older
18+	Adult Programming

CA Fren Rating:	
G	General
8 ans+	Not recommended for young children
13 ans+	Programming may not be suitable for children under the age of 13
16 ans+	Programming is not suitable for children under the age of 16
18 ans+	Programming restricted to adults

Lock setup

Set up blocking schemes to block specific channels, ratings, and external viewing sources.
A password is required to gain access to this menu.

1. Press the **MENU** button and then use the ▲ / ▼ button to select the **Lock** menu. Then, press the ▶ /**ENTER** button.
   - The TV is set up with the initial password "0-0-0-0" and security default password is 9-4-4-3.

2 Use the ▲ / ▼ button to select the desired items, and press the ▶ /**ENTER** button to enter the next menu. Once the option is selected, change the settings to your preference.

Input/Channel Block

1 Press the **MENU** button and then use the ▲ / ▼ button to select **Lock** menu.

2 Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select **Input/Channel Block**

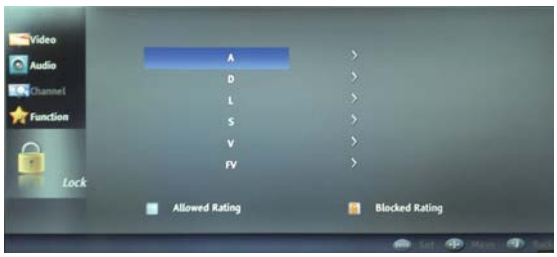
3 Press the ▲ / ▼ button to select the item, press the **ENTER** button to set.

Program Block

Press the ▶ / **ENTER** button to enter the submenu.

■ **Parental Lock**: Press the ◀ / ▶ button to select On or Off.

■ **Parental Guide**: Press the ▶ / **ENTER** button to enter the submenu. To clearly understand the TV program rating codes, read the following information:



Note

✲ The Parental control will automatically block certain categories that are "more restrictive". For example, if you block "TV-Y" category, then all the categories in the "young adult" group will be blocked (TV-Y, TV-Y7, TV-G, TV-PG, TV-14 and TV-MA).

✲ The sub-ratings (A, D, L, S, V, FV) work together similarly. To set the A, D, L, S, V and FV sub-ratings:

✲ First, press ▲ / ▼ button select one of these Ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA.

✲ A symbol "□" will be displayed for each sub-rating.

✲ While "□" is selected, press the **ENTER** button to go to a sub rating. To select a different Rating, press ▲ / ▼ buttons and then repeat the process.

Note

✲ The V-chip will automatically block certain categories that are "More restrictive". For example, if you block "🔒" sub-rating in TV-PG, then the "🔒" sub-ratings in TV-14 and TV-MA will automatically be blocked.

■ MPAA Rating

Blocks movies according to the movie ratings limits specified, so children cannot view certain movies. You can set the ratings limit by blocking out all the movies with the ratings above a specified level. Keep in mind that the movie ratings limit only applies to movies shown on TV, not TV programs, such as soap operas.

1 Press the ▲ / ▼ button to select the **MPAA Rating** item.

2 Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select the rating.

3 Press the **ENTER** button to set block or unblock.

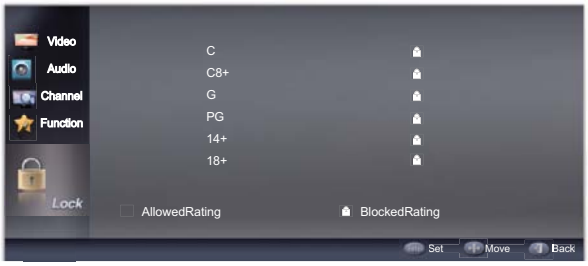
■ CA Eng Rating

Canadian English Language Rating

1 Press the ▲ / ▼ buttons to select the **CA Eng Rating** item.

2 Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select the rating.

3 Press the **ENTER** button to confirm.



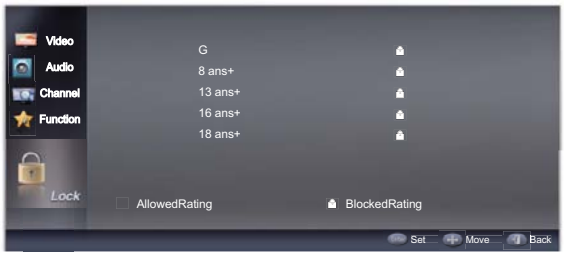
■ CA Fren Rating

Canadian French Language Rating

1 Press the ▲ / ▼ button to select the **CA Fren Rating** item.

2 Press the ▶ / **ENTER** button and then use the ▲ / ▼ button to select the rating.

3 Press the **ENTER** button to confirm.



■ Open V-Chip

Note

✲ The item will only be displayed in the V-Chip 2.0 stream mode.

■ Block unrated

Press the ◀ / ▶ button to select On or Off.

Change Password

Press the ▶ / **ENTER** button to enter the submenu, by entering a 4 digit number using the 0-9 buttons on the remote control for both the New Password and Confirm Password prompts.

Clean All

Press the ▶ / **ENTER** button to enter the submenu:
If OK is selected and confirmed, all parental lock options will be set to the factory default setting, which is all programming and all channels are allowed.
The reset may take several moments to complete (please allow up to 30 seconds).

Note

✲ If there is any lock mark on the top of the set such as channel lock, parental lock and so on, you can press OK to resume it. (Press OK to display the password menu and input your password.)

Other Functions

NET CONNECT

Net Connect gives you instant access to a variety of popular internet services straight from your HDTV for endless entertainment possibilities. Catch up on your favorite shows and get movies instantly from Netflix, keep up with friends on Facebook, and get even more rich web content with Yahoo! Connected TV—no keyboard, mouse, or additional work required.

■ Press the **NET CONNECT** button on the remote control to display the NET CONNECT menu.

■ Press the ◀ / ▶ buttons to browse the list of NET CONNECT services. Press **ENTER** to launch the selected service.

Note

✲ NET CONNECT services include Yahoo!® Connected TV, Netflix, YouTube, and USB media playback.

✲ You can quickly launch Yahoo!® Connected TV without entering the NET CONNECT menu by pressing the purple **Yahoo!®** button on the remote control.

✲ You can quickly launch Netflix without entering the NET CONNECT menu by pressing the red **Netflix** button on the remote control.

✲ Haier America may issue updates to the TV to improve your Connected TV experience. NET CONNECT services may be added or removed as part of these updates.

Yahoo! Connected TV

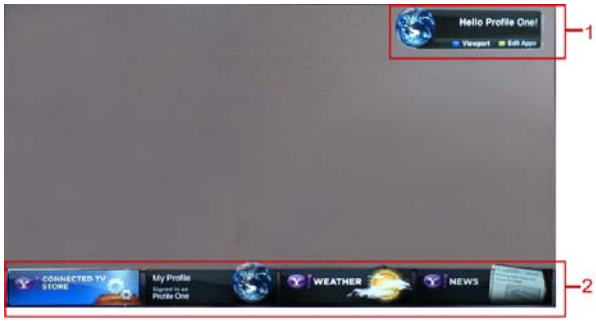
You can monitor financial stocks, share photos with friends and family, and track news and weather all through the Yahoo Widget Engine.

Note

✲ Depending on your country's regulations, some applications may have limited service or not be supported.

Screen Display

■ **Dock Mode**



1. Welcome Banner: Shows your profile.

2. Dock: Displays your snippets. Snippets are quick launch icons for your widgets.

■ **Sidebar Mode**

1. Widget logo and Current menu.

2. Contents List: The current selection is highlighted in Blue. Display the current page and number of total pages.

3. Controls:

- Red: To close the widget.
- Green: To change the widget's settings.
- Yellow: To manage your snippets.
- Blue: To size video to fit or display in full screen.

Note

✲ Some buttons may not be available with certain widgets.

■ **Editing Snippets in the Dock**

1. Editing a snippet by selecting in the dock and pressing the Yellow button.

2. The snippet moves to the Second position and its tile slides up to show the following help text:

Note

✲ Using the color buttons with the dock mode.

- Red (Delete): To remove the widget.

  ✲ Deleted widgets can be restored from **Widget Gallery**.

- Blue (Move): To rearrange snippets.
- Yellow (Done): To exit the **Editing Snippet** menu.

PROFILE Widget

Set up user profiles through Profile Widget. You can set up multiple profiles, each with its own list of widgets. Use the **Switch Profile** option to switch to a different user profile.

Note

✲ There must be at least two registered profiles. For instructions on adding a profile, refer to **Administrative Controls**.

■ Use the **Profile Settings** option to customize and protect your profile.

User profiles can be customized with a unique name and avatar (a picture used to represent your profile).

Your profile's name and avatar are displayed in the profile snippet in the dock.

Protect your profile using the **Create Profile PIN** option.

When setting up a new PIN, you can set a **Security Question**.

■ The **Profile Settings** option limits access to the profiles widgets.

If you forget your profile PIN, answer your profile's **Security Question**.

New widgets cannot be added to profiles with **Limit Profile** indicator enabled.

Note

✲ Owner PIN must be set to use this feature. For instructions on setting Owner PIN, refer to **Administrative Controls**.

■ **System Settings** allows you to:

Change your Location and Zip Code (US only) to tailor contents specific to your region.

Replay the tutorial that was shown during guided setup.

Restore Factory Settings resets all widget settings and information.

Note

✲ When you cannot run **Restore Factory Settings** normally or you can not install/run the specific widgets normally, press the remote control buttons in the following sequence, which resets the Yahoo Service:
MENU ▲ ▲ ENTER ▲ ▲ ENTER ◀ ENTER

■ From the **Administrative Controls** menu you can:

Configure Screen Saver timeout to avoid screen burn-in.

Create Owner PIN and set a **Security Question** to control other profiles.

Create and configure a new profile with a unique set of widgets.

Delete an existing profile.

■ Sign into Yahoo! from PROFILE Widget using your **Yahoo! ID**

If you have a **Yahoo! ID,** you can access personalized content using Yahoo! TV widgets.

You will be automatically signed-in to all installed Yahoo! TV widgets with your profile's **Yahoo! ID.**

If you do not have a Yahoo! account, visit "www.yahoo.com" to create one.

You may not be able to log in with an ID created through a Yahoo website in a country that does not support Internet@TV.

■ About Profile Widget: Press the Green button to view a brief description of Profile Widget, Copyright Policy, Terms of Service, and Privacy Policy.

Yahoo! Widget Gallery

Use Yahoo! Widget Gallery to add more widgets to your TV. View available TV widgets in the following categories:

■ **Featured**: Displays recommended widgets.

■ **Latest**: Displays the most recent widgets.

- **All widgets**: Displays all widgets.
- **Categories**: Displays all widgets by category.

Note

✲ To install a widget, navigate to the detail screen and select **Add Widget to My Profile** and press the **ENTER** button. The widget will be installed and become available in the dock.

- **Widgets Gallery Settings**: Press the Green button.

About Yahoo! Widget Gallery...: You can view brief information for the Widget Gallery, Copyright Policy, Terms of Service, and Privacy Policy.

TV Widget Software: Displays the current version of the system software, and installed widgets.

Create your own widgets through the **Developer Settings** menu. For more information, visit our developer site at http://connectedtv.yahoo.com/.

Yahoo!® Connected TV

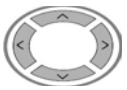
You can enjoy the best of the Internet in perfect harmony with the simplicity and reliability of your TV.

Understanding Yahoo!® Connected TV

Yahoo! Connected TV provides an integrated Internet and TV experience

- Use your remote control to access your favorite Internet content while watching TV.
- Add TV Apps from Yahoo! and your favorite Internet and media companies.
- Keep up with world, business, entertainment, and sports news.
- Track your stocks and stay current with financial news.
- Share photos with friends and family.
- View photos on your big screen TV.
- Watch your favorite web videos.
- Access user-generated content.

Using the Remote Control

Remote Control Key	Operation
	Display/hide the Yahoo! Connected TV user interface.
	Highlight and focus on buttons in the Yahoo! Connected TV user interface.
	Move the focus selection up.
	Move the focus selection down.
	Move the focus selection to the left.
	Move the focus selection to the right.
	Select the focused item.
	Go to the TV Menu.
	Close the app.
	Change the app's settings.
	Add, delete, or move your apps.
	Resize the video to fit onscreen, or to make it fullscreen.

Getting Started Out of the Box

Once your television is powered up and your network is operational, the Yahoo! Connected TV software guides you through its step-by-step setup wizard.

These setup steps are designed to provide you with the information and settings you will need to start using Yahoo! Connected TV.

Activating Yahoo! Connected TV

Press the Yahoo! TV Key to activate the Yahoo! Connected TV user interface.

What is a TV App?

- TV App is an Internet application designed to run on your TV.

What is the Dock?

- The dock is the horizontal list of TV App bookmarks appearing at the bottom of your TV screen when you press the Yahoo! TV Key on the remote control.

What is a TV App bookmark?

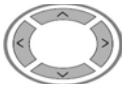
- A TV App bookmark is a shortcut which launches a TV App sidebar.
- TV App bookmarks are dynamic icons to TV App content.

Guided Setup

Welcome to Yahoo! Connected TV!

Welcome to Yahoo!® TV Apps!
Yahoo! TV Apps bring the best of the internet to your TV! You can get updated weather conditions or sports scores, get updated information on stocks, or even view full-screen photos and video!
We just need to get a few things set up, and you'll be on your way!
Let's get started!
Exit setup

	Press the Yahoo! TV Key to activate Yahoo! Connected TV. The first time you use TV Apps this step-by-step wizard begins with the Welcome Screen.
	Select **Let's get started**! If you select **Exit Setup** now, this step will resume the next time you press the Yahoo! TV Key.

	**Follow the onscreen instructions**. Highlight and focus on buttons in the Yahoo! Connected TV user interface.
	Select the focused item.

Activate Yahoo! Connected TV. The first time you use TV Apps this step-by-step wizard begins with the Welcome Screen.

Welcome to Yahoo!® TV Apps!

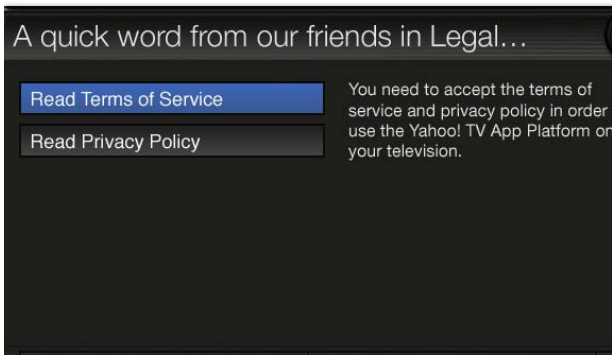
	Select **Let's get started**! If you select **Exit Setup** now, this step will resume the next time you press the Yahoo! TV Key.

Where do you live?

	Choosing your location allows TV Apps to use localized content. Highlight your country.
	Select your country.

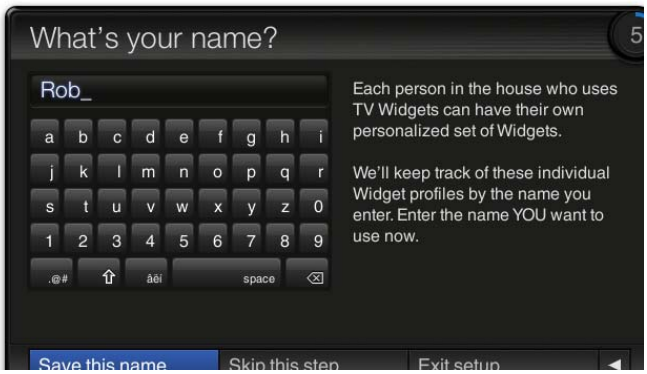
å

A quick word from our friends in Legal…


A quick word from our friends in Legal…
Read Terms of Service
Read Privacy Policy
You need to accept the terms of service and privacy policy in order use the Yahoo! TV App Platform on your television.

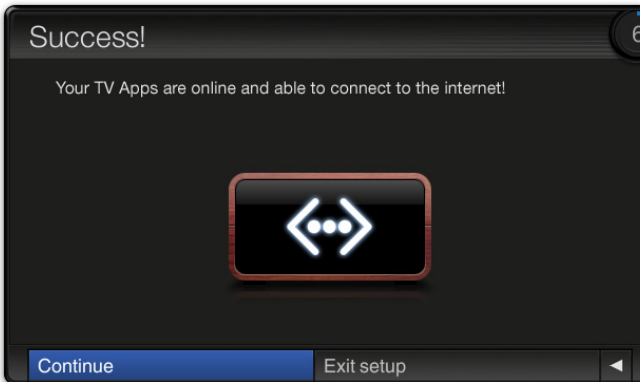
	Accepting the Yahoo! Terms of Service and Privacy Policy is required to use Yahoo! Connected TV. Select **Ok, I accept**.

What's your name?


What's your name?
Rob_
Each person in the house who uses TV Widgets can have their own personalized set of Widgets.
We'll keep track of these individual Widget profiles by the name you enter. Enter the name YOU want to use now.
Save this name
Skip this step
Exit setup

	Enter your name to setup your profile. Highlight letters on the keyboard and spell your name.
	Select Save this name to create your profile.

Success!

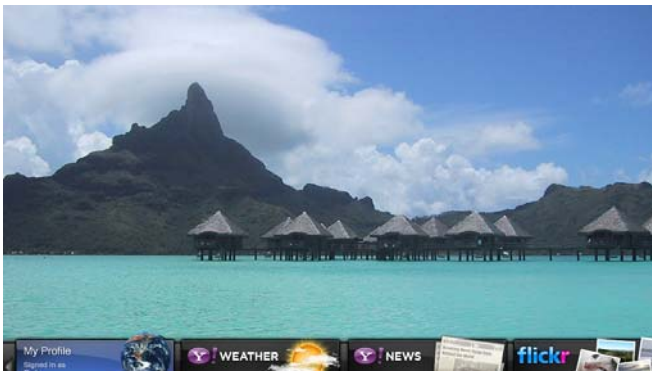


	Test your network connection. Setup is now complete. A tutorial on how to use Yahoo! Connected TV is next. Select **Continue** and review the tutorial. Select **Exit setup** to start using Yahoo! Connected TV now.

Activating Yahoo! Connected TV

	Press the **Yahoo! TV Key** to activate Yahoo! Connected TV.

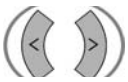
- The horizontal list at the bottom of your TV screen is called "the dock."
- The items in this list are called TV Apps or "bookmarks."
- A bookmark is a shortcut which launches a TV App sidebar.



Moving between TV App Bookmarks

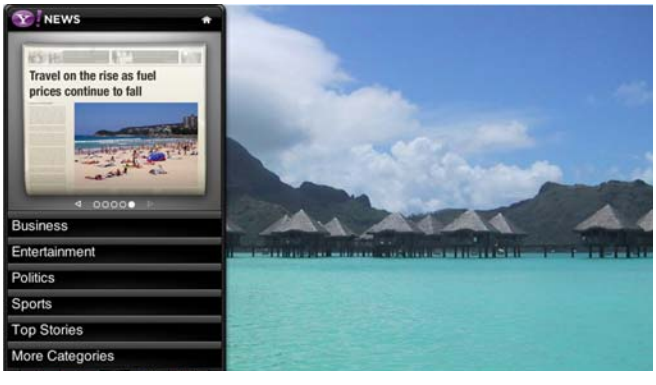
Activate Yahoo! Connected TV. The first time you use TV Apps:

- Focus is located in the leftmost region (the highlighted bookmark).
- The dock scrolls bookmarks under this focal point.

	Move between TV App bookmarks by pressing the **Left** or **Right Arrow**.

Using a TV App

	Open the TV App sidebar by pressing **ENTER** when its bookmark is in focus.



- The TV App logo and Home button are at the top of the sidebar.
- Use the **Up** & **Down Arrows** to navigate to a menu item.
- The currently focused button is highlighted.
- Press **ENTER** to select the focused button.

Using the Sidebar Toolbar

	Close the App.		Manage your bookmarks
	Change the App's settings		Size video to fit, or mark it fullscreen
The sidebar's bottom toolbar includes four color-coded buttons that correspond to the colored keys on the remote control.			

Using the Profile TV App

- The **Profile TV App** configures your user profile.
- You can set up multiple profiles for multiple users.
- Each profile maintains its own list of TV Apps.
- The **Switch Profile** menu allows you to switch to a different user profile.
- The **Profile Settings** menu allows you to customize and protect your profile.
- The **System Settings** menu allows you to change your Location, Repeat the Tutorial, and Restore Factory Settings.
- The **Administrative Controls** menu allows you to set the **Screen Saver** timeout, create the **Owner PIN**, and to **Create** a **Profile**.
- The **Sign in to Yahoo!** menu allows you to personalize your experience using your Yahoo! ID.
- Visit http://www.yahoo.com to create a Yahoo! ID.

Using the Connected TV Store

- The **Connected TV Store** allows you to browse and discover new TV Apps.
- The featured TV Apps are highlighted in the display case at the top of the sidebar.
- You can also browse available TV Apps by category.
- To install an app, select **Add App to My Profile** and press the **ENTER** key.
- The **Owner PIN** is needed to install apps for profiles that have been protected through the **Limit Profile** indicator under the **Profile TV App**--**Profile Settings** menu.
- Refer to the **Profile TV App**--**Administrative Controls** menu to set the **Owner PIN**.

Using the Yahoo! News TV App

- The **Yahoo! News TV App** provides the latest headline news for business, entertainment, politics, sports, top stories, and many other categories.
- Select a category, press **ENTER**.
- Select a headline within the category, press **ENTER**.
- View the dynamically updated news summary for the selected headline.

Using the Yahoo! Weather TV App

- The **Yahoo! Weather TV App** provides updates on your local and favorite weather locations.
- Press the **GREEN** key to display the **Settings** menu.

•Add a New City by entering the name of the city.

•Delete a City by selecting the city you want to delete from the city list.

•Select the Display Units As button to change the temperature indication mode to Imperial or Metric.

- To create a bookmark for a favorite city:

•Select the city from the home page.

•Press the **YELLOW** key.

•Select the **Add Bookmark** button and press **ENTER**.

- To delete a bookmark for a city:

•Navigate to the bookmark and press **ENTER** to start the app.

•Press the **YELLOW** key.

•Select the **Delete Bookmark** button and press **ENTER**.

Using the Yahoo! Finance TV App

- View the latest stock news with the Yahoo! Finance TV app.
- Press the **GREEN** key to set up your stocks.

•Use the **Add New Symbol** menu to enter the name of a new stock.

•The **Import Symbols From Yahoo!** menu retrieves the stocks from your Yahoo! Finance portfolio.

•The **Merge Symbols** button merges with your portfolio.

•The **Replace Symbols** button replaces your symbols with the symbols from your portfolio.

•The **Display Format** button changes the stock-price fluctuation transition to **Value** or **Percentage**.

- To create a bookmark for a favorite stock:

•Select the stock symbol from the home page.

•Press the **YELLOW** key.

•Select the **Add Bookmark** button and press **ENTER**.

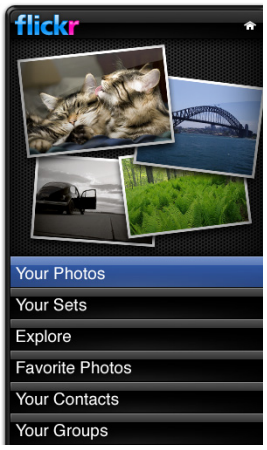
- To delete a bookmark:

•Navigate to the bookmark and press **ENTER** to start app.

•Press the **YELLOW** key.

•Select the **Delete Bookmark** button and press **ENTER**.

Using the flickr TV App



- The flickr TV App enables slideshows of family and friends' photos on your TV.
- Personalize the flickr TV App by logging in with your Yahoo! ID.
- To view photos in a slideshow:

•Select a thumbnail of a photo and press **ENTER** to view the photo's details.

•Select **Start Slideshow** and press **ENTER**.

- To control the slideshow display:

•Press **ENTER** during a slideshow.

•The thumbnails of photos are displayed on the bottom of the screen.

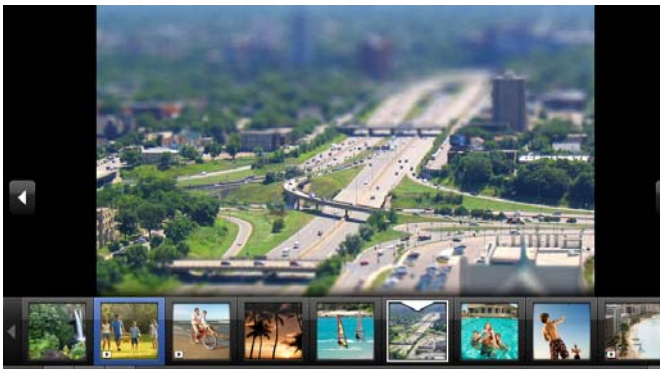
•When the slideshow control is displayed, you can **Pause, Play**, and **Stop** the slideshow.

•If you select the (i) button and press **ENTER**, you can view details for the photo.

- To configure the Settings press the **GREEN** key.

•The **Time Per Slide** button controls the speed of the slideshow.

•The **Repeat** button will restart the slideshow at the beginning after the last photo is shown.



Using Yahoo! TV Apps

- The Yahoo! News TV App provides the latest headline news for business, entertainment, politics, sports, top stories, and many other categories.
- The Yahoo! Weather TV App provides updates on your local and favorite weather locations.
- View the latest stock news with the Yahoo! Finance TV App.
- The flickr TV App enables slideshows of family and friends' photos on your TV.

Using Yahoo! TV Apps

Yahoo! Connected TV is an open software platform for extending Internet services to televisions and other living room devices.	
Our Compelling User Interface is designed to address the needs of the TV watcher.	
An Open Yahoo! Connected TV Store ensures you have access to all of the services you want, without walls or restrictions.	
The Yahoo! Connected TV Developer SDK provides developers with powerful tools for building applications using the languages and systems with which they are familiar.	

Netflix

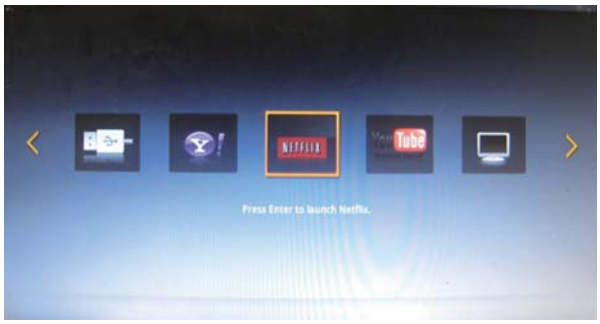
Press the **NETFLIX** button to enter the menu launch Netflix.

Follow the instructions displayed on the screen.

For more information about Netflix, please visit www.netflix.com

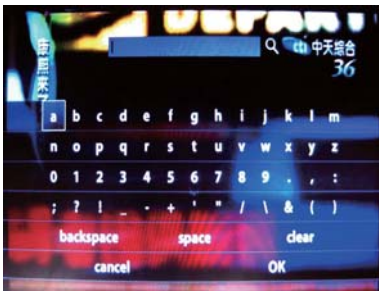
Youtube

1 Press “NETCONNECT” key, get the network UI interface; Press “Right” key, to focus “Youtube”.



2 Press “OK”key to select “Youtube”; Starting to “Loading”.

Waiting about 5secs, the video will be showed, press “Up” key to search video , and “cancel” in the UI to return;

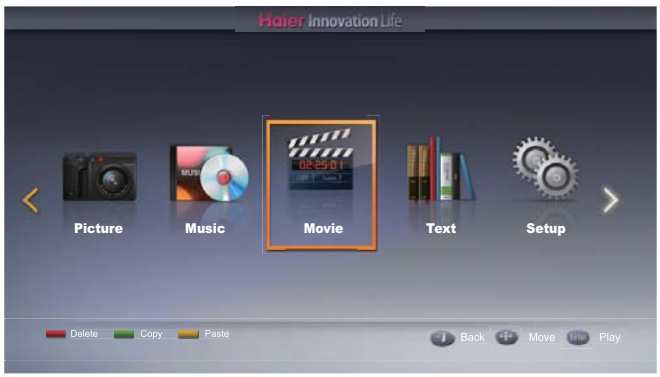


Press “Down”key to browse: or ‘Stop’/’Pause’/’FF’/’FB’/’ Next’/’Pre’ in the control bar; get the video list: Press “Left”/”Right” key to select different video;

Digital Living Network Alliance (DLNA)

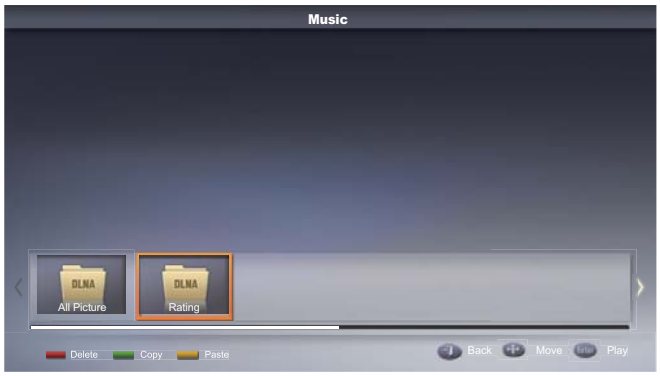
Digital Living Network Alliance (DLNA) is a standard that allows various consumer electronic devices to share content with each other across a standard home network. Your Haier TV can play music or view videos or photos stored on a desktop computer or other DLNA-compatible device.

1 **Launch the Media Player by pressing the MEDIA.P button.**



2 Press the ◀ / ▶ browse the list of media types; press **ENTER** to open the selected item.

3 Press the ▲ / ▼ / ◀ / ▶ buttons to browse the list of items; press **ENTER** to open the selected item. DLNA media items will be marked "DLNA".

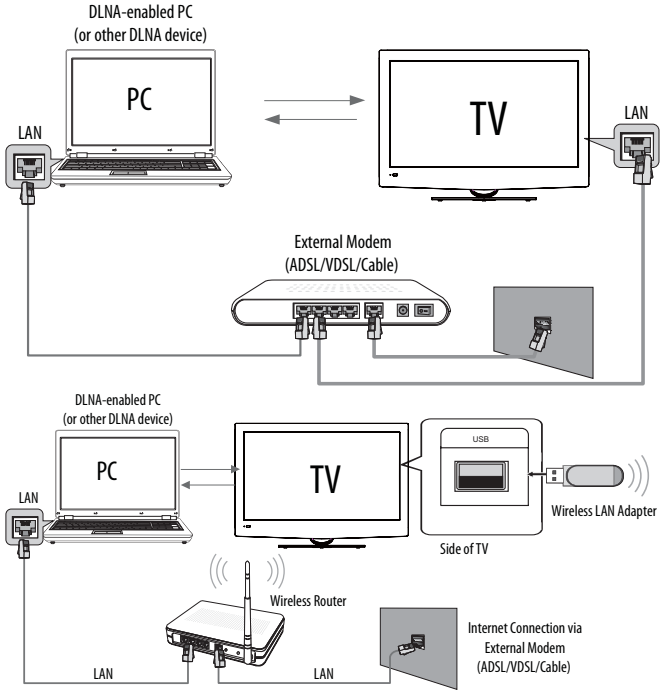


- Refer to the *Media Playback* section to learn more about how to use the Media Player.

Note

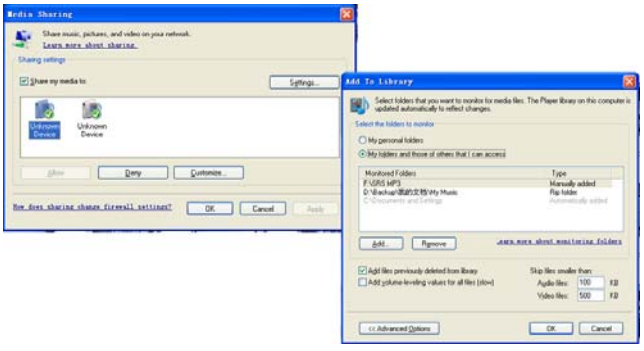
✻ The DLNA option must be enabled on your Haier Connected TV. The DLNA option can be found in the FUNCTION > Network > Applications menu. Refer to the *Function Menu* section of this manual to learn more.

✲ DLNA devices must be connected to the same network as your Haier TV. Examples of DLNA-compatible devices include computers, network-attached storage, mobile phones, and portable music players.



✲ Wireless network connections slower than 802.11n may result in poor video playback from DLNA devices. Wi-Fi 802.11 a/b/g connections are not recommended for DLNA video playback. (A wired network will provide a fast and stable connection.)

✲ DLNA devices must be configured properly to work with your Haier Connected TV. Refer to the documentation that came with the DLNA device to learn more.



✲ If your computer is running Microsoft Windows, you can turn it into a DLNA device with *Windows Media Player*. Visit the Microsoft website at http://windows.microsoft.com/en-US/windows/products/windows-media-player to get the latest version of *Windows Media Player.*

CCD (Closed Caption Display)

Closed Captions

- Closed captioning is a process which converts the audio portion of a television program into written words which then appear as subtitles on the television screen. Closed captions allow viewers to read the dialogue and narration of television programs.

Using Closed Captions

- Captions are the subtitles of the dialogue and narration of television programs. For prerecorded programs, program dialogue can be arranged into captions in advance. Its possible to caption a live program by using a process called real-time captioning, which creates captions instantly.
- Real-time captioning is normally done by professional reporters using a machine shorthand system and computer for translation into English. Captioning is an effective system for the hearing-impaired, and it can also aid in teaching language skills.
- In ATV mode the CCD function allows you to configure the way you choose to view the digital captioning (Off, CC 1, CC 2, CC 3, CC 4, Text 1, Text 2, Text 3 or Text 4).

■ CAPTION

The term for the words that scroll across the bottom of the TV screen, usually the audio portion of the program provided for the hearing impaired.

■ TEXT

The term for the words that appear in a large black frame and almost cover the entire screen; usually messages provided by the broadcaster.

- In DTV mode allows you to configure the way you choose to view the digital captioning (Off, service 1, service 2, service 3, service 4, service 5 or service 6).
- Select one of the digital service channels made available by the caption provider.
- There are 6 standard services. Service 1 is designated as the Primary Caption Service. This service contains the verbatim, or near-verbatim captions for the primary language being spoken in the accompanying program audio. Service 2 is designated as the Secondary Language Service. This service contains captions in a secondary language which are translations of the captions in the primary Caption Service. The other service subchannels are not pre-assigned. It is up to the discretion of the individual caption provider to utilize the remaining service channels.

Note

✲ The captions do not always use correct spelling and grammar. Not all TV programs and product commercials are made for broadcast with Closed Caption information included. Refer to your area's TV program listings for the TV channels and times of Closed Caption shows. The captioned programs are usually noted in the TV listings with service marks such as "CC".

Media Playback

1. Supported media and file formats:

Digital pictures: (.JPG/ .JPEG/ .BMP (Baseline & Progressive)/ .PNG)

Digital music: (.MP3(8~320kbps))

Video: (.avi/.mpg/.mpeg/.ts coded with MPEG-1 or MPEG-2 standard) files.

- Due to differences in the file code and file mode, It is possible that some files cannot be read.

2. Before starting operation, verify that the USB storage device is formatted to the FAT32 file system. At present, this television does not support NTFS and the file systems of other formats.
3. Supports Plug & Play (no need to reset the TV). USB hard drive support - only supports the class of USB hard drive that follows USB power consumption spec.
4. The television operation may be halted (screen freezes, no function operation) due to excessive rate of information code errors. In such a case, restart the system (by unplugging the TV from the AC power source, waiting 15 seconds and then reconnecting the power source). Please note that there are many non-standard USB mobile devices in the market. If a non-standard device is used then an identification problem may occur.

Connecting a USB Device

1. Connect a USB device containing photo, music and/ or movie files to the USB jack on the back of the TV.
2. Turn the TV on.
3. When the USB is connected to the TV, then you can select the Media Play mode.

USB Media Menu operation

1. Plug-in an external storage device into the USB port.
2. Press the **MEDIA.P** button on the remote to display the multimedia selection menu.

3. Press the **ENTER** button on the remote to display the sub menu.
4. Press the **EXIT** button on the remote to return to the previous menu.

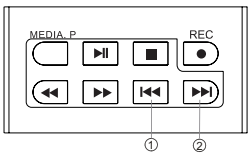
To play pictures

1. Press the ◀ / ▶ button to select **Picture**, then press the **ENTER** button in the Media Play menu.
2. Use the ▲ / ▼ / ◀ / ▶ buttons to select the desired picture in the file list.

3 Press the **MENU** button to display the option list.

1	Play/Pause	4	Duration
2	Repeat	5	Effect
3	Shuffle	6	Show Info

4 Press the button on the remote control to select an option. Press the **ENTER** button to confirm.



1.	Play previous
2	Play next

5 Press the **EXIT** button to return to the previous menu.

Press the **MEDIA.P** button to exit the Media Play mode.

To play music

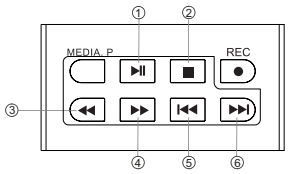
1 Press the ◀ / ▶ button to select **Music**, then press the **ENTER** button in the Media Play menu.

2 Use the ▲ / ▼ / ◀ / ▶ buttons to select the desired music in the file list.

3 Press the **MENU** button to display the option list.

1.	Play/Pause	4.	Show Info
2.	Repeat	5.	Hide Spectrum
3.	Shuffle On or Off	6.	Audio Only

4 Press the button on the remote control to select an option. Press the **ENTER** button to confirm.



1.	Play or pause
2	Stop
3.	Fast reverse
4.	Fast forward
5.	Play previous
6.	Play next

5 Press the **EXIT** button to return to the previous menu. Press the **MEDIA.P** button to exit the Media Play mode.

To play movies

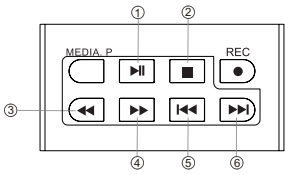
1 Press the ◀ / ▶ button to select **Movie**, then press the **ENTER** button in the Media Play menu

2 Use the ▲ / ▼ / ◀ / ▶ buttons to select the desired movie in the file list.

3 Press the **MENU** button to display the option list.

1.	**Play/Pause**	4.	**Picture Mode**
2.	**Repeat**	5.	**Screen Mode**
3.	**Show Info**		

4 Press the button on the remote control to select an option. Press the **ENTER** button to confirm.



1.	**Play or pause**
2	**Stop**
3.	**Fast reverse**
4.	**Fast forward**
5.	**Play previous**
6.	**Play next**

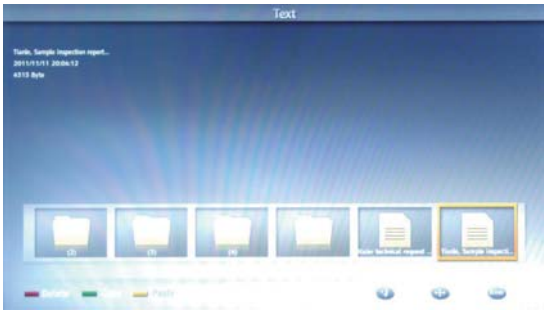
5 Press the **EXIT** button to return to the previous menu. Press the **MEDIA.P** button to exit the Media Play mode.

Note

✲ Do not remove USB device from the TV until you have exited the USB mode otherwise you may damage the USB device.

To play text

1 Press the ◀ / ▶ button to select **Text**, then press the **ENTER** button in the Media Play menu



2 Use the ▲ / ▼ / ◀ / ▶ buttons to select the desired text document in the file list.

3 Press the **MENU** button to display the option list.

Text
Tianle, Sample inspection rep...
3.AV/ATV/VGA
4.When Color Temperature at Warm mode, picture too dark
5.OSD outline show double-picture & water mark; By grey signal at VGA mode, the characters has trail (/ ; VGA)

1.	**Play/Pause**
2.	**Font**
3.	**Show Info**

4 Press the **EXIT** button to return to the previous menu.

Press the **MEDIA.P** button to exit the Media Play mode.

Universal Remote Control

Setting Up Your Remote Control

After it has been set up properly, your remote control can operate in four different modes: TV, DVD, VCR or CABLE.

Note

✲ The remote control might not be compatible with all DVD Players, VCRs and Cable boxes.

Control Operation

1. Program the remote control to work with your device.
2. Change the device mode by pressing the TV, DVD, CABLE or VCR key. When the device is set, the related device LED will turn on for 1 second and then turn off.
3. Aim the remote at the device.
4. Use the other remote control buttons to operate the device. The device LED will blink if you press any key (if the key has a function in the current mode). If the key has no function, then the LED will not blink.

✹ Manually Programming the Remote Control

Check the code no. from the code list.

1. Choose the device you want to program.
2. While pressing and holding the **ENTER** key, press the **INPUT** key, and the device LED will be ON. After about 3 seconds, and the LED will blink, indicating that the remote control is ready for programming, then release both keys.
3. The LED will blink once when you enter a digit key, indicating the digit key is programmed. If 3 digits are programmed successfully, the device LED will turn ON for about 3 seconds and then blink twice per second.
   You can now:
   A) Try to operate the device by using the power key.
   B) If the device powers on, press the **ENTER** key to save the current 3-digit code to memory and exit the manual programming mode.
   C) Return to step 3 to reprogram the control.
4. If your input is incorrect, the LED will blink 6 times in 3 seconds. And then keep blinking. You can now return to step 3 and reprogram the device. You must enter the 3-digit brand code corresponding to your device within 30 seconds. If time runs out or any key other than Power or digits are pressed, the LED will turn off and the manual programming process will exit.

✹ Manual scan mode

With manual scan and program, the remote control tests all the codes available in the codeset database and assigns the correct one for the selected device. Although this method is more time consuming, it saves you the trouble of looking up the brand codes necessary for manual programming.
To manually-scan and program the remote control:

1. Turn OFF the device that you wish to program. (TV, VCR, DVD or cable box equipment).
2. Choose the device you want to program.
1. While pressing and holding the **ENTER** key, press the **INPUT** key, and the device LED will be ON. It will remain on for about 3 seconds and then the LED will blink, indicating that the remote control is ready for programming, then release both keys.
1. Press and release the **CH ∧/∨** key. it will emit the next or the previous POWER key code. The LED will blink rapidly (10 times per second), indicating that the remote control is in manual scan mode.
1. Press the **CH ∧/∨** key repeatedly until the device switches ON (**CH ∧** key conducts a upward search while the **CH ∨** key conducts a downward search in the code set database). When the device turns ON, press and release the **ENTER** key to program the remote control with the new code, saving the code to memory.
1. After saving the new code, press the **POWER** key. If the device responds, no further programming is required. If the device does not respond, repeat step 3 through 5. And searching will start from the current code that is set.

To exit without programming, press any other key. The code will not be saved to memory.
After searching the entire data base, this mode will automatically exit and the LED will blink 3 times. The

code will not be saved to memory.

✹ Automatic Scan Programming the Remote Control

To automatically scan and program the remote control:

1. Turn OFF the device you wish to program. (TV, VCR, DVD or cable box equipment).
2. Choose the device you wish to program.
3. While pressing and holding the ENTER key, press the INPUT key and the device LED will turn ON. The bout 3 seconds and it will blink, indicating that the remote control is ready for programming, then release both keys.
4. Press and release the Mute key to enter automatic scan mode. And the remote will automatically send codes to the device every 2 seconds.
5. When the device turns ON, press **ENTER** key to program the remote control with the new code, saving it to memory.
6. Press the **POWER** key, if the device responds, no further programming is required. If the device does not respond repeat steps 1 through 5.
7. After searching the entire data-base, this mode will automatically exit and the LED will blink 3 times. The will not be saved to memory.

In automatic scan mode, press any key other than the **ENTER** key to exit without programming.

Display mode

1. Choose the device you wish to program.
2. To enter display mode, while pressing and holding the **ENTER** key, press the **INPUT** key and the device LED will turn ON. It will remain on for about 3 seconds and then the LED will blink, indicating that the remote control is ready for programming, then release both keys.
3. Press 9 then 8 then 0 to enter display mode.
4. Press the 1 key to get the first digit of the current code. For example, if the first digit of code is 1, the led will blink once and remain OFF. Digit "0" in the code will not be displayed.
5. Press the 2 key to get the second digit of the current code. For example, if the second digit of the code is 3, then the LED will blink three times.
6. Press the 3 key to get the third digit of the current code.
7. Only digit 1, 2, 3 are valid in this mode. And the sequence is not fixed.

The remote control will not send out data in this mode if you press any key other than the 1, 2 or 3 key.

Pass-Through Features

The remote control provides pass-through features that allow users to control the TV volume and DVD or VCR operation while the remote control is in another device mode.

✹ Volume Pass-Through

The TV Volume/Mute pass-through feature allows you to control the volume and mute function of your TV while the remote control is in another device mode. The feature is applicable for all devices and brands that do not use the volume control buttons for other purposes.

✹ Playback Control Key Pass-Through

The DVD or VCR playback control key pass through feature lets you control the PLAY, STOP, PAUSE, REWIND, FF and RECORD functions of your DVD or VCR while the remote control operates in other modes. The feature is applicable for all devices and brands that do not use the playback control keys for other purposes.

Fast Programming Haier default TV code

Pressing and holding the **ENTER** key and then press the **POWER** key for 3 seconds, the LED will blink 3 times and turn off, default Haier codeset (001) will be programmed to the control.

Remote Control Codes

TV

NO.	Brand	Code
1	Haier	001 002 003 004 005 006 007 008 009 010 240 241 297 307 355
2	Abex	077
3	Acer	267
4	Addison	333
5	Admiral	057 078 334 338
6	Advent	324
7	Adventura	079
8	Aiko	066 333
9	Aiwa	165
10	Akai	038 058 258 271 279 331 350
11	Albatron	321 325
12	Alleron	068
13	America Action	335
14	Ampro	323
15	Amtron	067
16	Anam	335
17	Anam National	059 067
18	AOC	060 061 062 222 331 349 350 353
19	Apex	092 135 151 195 339
20	Archos	308
21	Astar	259
22	Audiovox	067 189 191 207 256 333 335 337
23	Aventura	053
24	Axion	280
25	Bang & Olufsen	345 346
26	Baur	058
27	Belcor	060 349
28	Bell & Howell	057
29	Benq	245 246 284 329
30	Bradford	067 335
31	Brillian	342
32	Brockwood	060 349
33	Broksonic	197 335 338
34	byd:sign	310
35	Candle	060 062 063 079 331 350
36	Carnivale	331 350
37	Carver	055 320
38	CCE	239 351
39	Celebrity	058
40	Celera	339
41	Centurion	064
42	Changhong	339
43	Ching Tai	333
44	Chun Yun	333 335 361 374
45	Chung Hsin	335 364
46	Citizen	060 062 063 066 067 074 076 331 333 350 352 354 380
47	Clarion	335
48	Coby	210
49	Colortyme	060 062
50	Colt	377
51	Commercial Solutions	332
52	Concerto	060 062
53	Contec	335
54	Contec/Cony	065 067
55	Craig	067 335
56	Crosley	055 293 320
57	Crown	067 071 335 352
58	CTX	235
59	Curtis Mathes	038 055 056 060 062 074 076 088 320 331 332 334 337 340 350 352 354
60	CXC	067 335
61	Cytron	238 278
62	Daewoo	060 061 062 066 076 093 117 125 152 333 337 349 352 380
63	Daytron	060 062 076 349
64	Dell	251 285 304
65	Denon	340
66	DiamondVision	311 317 319
67	Dimensia	056 088
68	Disney	132
69	Dumont	031 060 330 349
70	Durabrand	053 097 137 341 335 338
71	Dwin	322 334
72	Electroband	058
73	Electrograph	243
74	Electrohome	058 059 060 062
75	Element	228
76	Emerson	053 060 062 065 067 068 076 093 137 266 292 335 338 349 352 380
77	Emprex	314
78	Envision	060 062 222 331 350
79	Epson	225
80	Erres	347
81	ESA	053
82	Ether	362
83	Firstar	372
84	Fujitsu	068 216
85	Funai	053 067 068 335
86	Furi	368
87	Futuretech	067 335
88	Gateway	243 274 341 360
89	GE	027 056 059 060 062 069 070 085 088 107 116 332 337 378
90	GFM	051 305
91	Gibralter	031 060 330 331 349 350
92	Go Video	328
93	Goldstar	060 061 062 065 076 077 331 349 350 379
94	Gradiente	242
95	Grundig	351
96	Grunpy	067 068 335
97	Hallmark	060 062
98	Hankook	335 362 371
99	Harman/Kardon	055
100	Harvard	067 335
101	Havermy	334
102	Hello Kitty	337
103	Hewlett Packard	175 204 219
104	Hisense	250 370 375
105	Hitachi	032 060 062 065 126 127 134 149 150 186 200 340
106	HP	204 219
107	Hyundai	327
108	Ilo	174 254 266 312
109	IMA	067
110	Infinity	055 071 320
111	InFocus	275
112	Initial	277
113	Innova	351
114	Insignia	097 237 298 299 300 306 313
115	Inteq	330
116	Janeil	079
117	JBL	055 071 320
118	JC Penney	056 060 061 062 063 069 070 074 076 077 088
119	JCB	058
120	Jean	333 363 370 372
121	Jensen	060 062 236
122	Jinxing	365 368 370
123	JVC	047 048 049 065 070 114 154 172 199 201
124	Kawasho	058 060 062
125	Kaypani	353
126	KEC	335
127	Kenwood	060 062 331 349 350
128	Kioto	055
129	KLH	339
130	Kloss Novabeam	067 079
131	Kolin	335 369
132	KTV	067 076 331 335 350 352
133	LG	030 060 061 182 224 257 302 321 350
134	Loewe	071
135	Logik	057
136	Luxman	060 062
137	LXI	055 056 062 071 088 151 320 332
138	M & S	055
139	Magnasonic	380
140	Magnavox	052 055 060 062 063 071 090 105 108 110 163 174 176 218 320 331 350
141	Magnin	378
142	Majestic	057
143	Marantz	055 060 062 071 231 272 320 331 350 351
144	Matsushita	336
145	Maxent	243 252 301
146	Mediator	374
147	Megapower	321
148	Megatron	062 340
149	Memorex	057 061 062 137 181 338 376 379
150	MGA	060 061 062 331 349 350 378
151	Midland	031 070 076 077 330 332 352
152	Mintek	174
153	Minutz	069
154	Mitsubishi	060 061 062 119 159 170 334 349
155	Monivision	321 325
156	Montgomery Ward	057

NO.	Brand	Code
157	Motorola	059 078 334
158	MTC	060 061 062 074 331 349 350 354
159	Multitech	067 335
160	Multivision	072
161	NAD	062 151 351
162	NEC	059 060 061 062 234 268 331 349 350
163	Netsat	351
164	NET-TV	243 247
165	Newave	333 367 371
166	Nikko	062 066 331 333 350
167	Norcent	222
168	Noshi	348
169	NTC	066 333
170	Olevia	138 192 221 357 358
171	Onwa	067 335
172	Oppo	282
173	Optimus	336 376
174	Optoma	276
175	Optonica	073 078 334
176	Orion	097 338
177	Otto Versand	058
178	Panasonic	021 022 023 024 025 026 059 070 071 086 103 122 144 147 155 168 183 185 336 376
179	Penney	151 331 332 348 349 350 352 354 378 379
180	Philco	055 059 060 061 062 063 065 071 181 320 331 349 350
181	Philips	040 041 042 043 044 045 046 055 059 060 063 065 071 089 090 091 096 160 162 164 169
		174 177 179 190 208 291 320 347 351
182	Philips Magnavox	042 045 089 090 096
183	Phonola	347
184	Pilot	060 076 331 349 350 352
185	Pioneer	060 062 156 157 205 212
186	Plasmsync	269
187	Polaroid	211 217 220 228 315 339
188	Portland	060 061 062 066 076 333 349 352
189	Price Club	074
190	Prima	281 324
191	Princeton	321
192	Prism	070
193	Proscan	027 056 088 332
194	Proton	060 062 065 353
195	Protron	196 262
196	Proview	263 343
197	Pulsar	031 060 330 349
198	Pye	347
199	Quasar	022 059 070 336 376
200	Quelle	058
201	Radio Shack/Realistic	056 060 062 065 067 073 076 077
202	Radiola	347
203	Radio Shack	088 331 332 335 349 350 352
204	RCA	027 028 029 056 059 060 061 062 082 088 095 098 332 348 349 354 378
205	Realistic	088 331 335 349 350 352
206	Runco	031 330 331 350
207	Sampo	060 062 076 077 243 283 331 350 352 353
208	Samsung	037 038 039 060 061 062 065 074 076 077 129 130 140 143 158 166 178 193 194 209 213
		229 232 286 294 295 331 349 350 351 354
209	Samsux	352
210	Sansui	097 338
211	Sanyo	060 249 270 378
212	SBR	347
213	Sceptre	264
214	Scimitsu	349
215	Scotch	062
216	Scott	060 062 065 067 068 255 335 349
217	Sears	053 055 056 060 062 068 080 088 151 244 320 332 379
218	SEI	058
219	Sharp	033 034 035 036 060 062 065 073 076 078 083 112 131 139 142 145 167 171 180 198 202
		203 334 352
220	Shen Ying	333
221	Sheng Chia	334 367
222	Shogun	060 349
223	Signature	057
224	Simpson	063
225	Sinudyne	058
226	SKY	351
227	Skygiant	335
228	Sony	011 012 013 014 015 016 058 087 094 101 102 118 124 128 136 148 153 184 206 226 287
		288
229	Soundesign	060 062 063 067 068 335
230	Sowa	366 370
231	Squareview	053 080
232	SSS	060 067 335 349
233	Starlite	067 335

NO.	Brand	Code
234	Studio Experience	325
235	Superscan	052 260 334 356
236	Supre-Macy	079
237	Supreme	058
238	SVA	230 355
239	Sylvania	046 050 051 052 053 054 055 060 062 063 071 137 141 161 289 320 331 350
240	Symphonic	053 067 080 141 335
241	Synco	333 337 361 366 367 371
242	Syntax	138 192 344 357 358
243	Syntax-Brillian	192 244
244	Tacico	333 371
245	Tandy	078 334
246	Tatung	059 253 273 341 360 363 366 370
247	Technics	070 336
248	Techview	326
249	Techwood	060 062 070
250	Teco	363 367 371
251	Teknika	055 057 060 061 062 063 065 066 067 068 074 076 320 333 335 349 352 354
252	Telecaption	075
253	Telefunken	038
254	Thomson	088
255	TMK	060 062
256	TNCi	330
257	Toshiba	017 018 019 020 074 075 099 100 104 106 109 111 113 115 120 123 146 151 173 227 354
258	Totevision	076 352
259	Trutech	248
260	Tuntex	333 362
261	TVS	338
262	Universal	069
263	Vector Research	331 350
264	Victor	065
265	Vidikron	055 320
266	Vidtech	060 061 062 349
267	Viewsonic	133 214 218 223 233 243 316 356
268	Viking	079
269	Viore	254
270	Visco	309
271	Vizio	133 257 261 296 318 341 356 359 360
272	Wards	055 056 057 060 061 062 068 069 071 073 088 320 331 349 350
273	Waycon	151
274	Westinghouse	133 187 188 195 215 290 303 337
275	White Westinghouse	093 338
276	Yamaha	060 061 062 331 349 350
277	Yapshe	373
278	Zenith	030 031 032 057 060 081 084 093 121 330 333 338

DVD

NO.	Brand	Code
1	Accele Vision	250
2	Accurian	355
3	Advent	330
4	Aiwa	307
5	Akai	280 323 361
6	Alco	328
7	Allegro	349
8	Alpine	257
9	Amphion MediaWorks	258
10	AMW	258
11	Apex	025 026 027 028 078 117 172 192 342 343
12	Apple	319
13	Arrgo	351
14	Aspire	332
15	Astar	252
16	Audiovox	164 167 223 328
17	Axion	281
18	Bang & Olufsen	344
19	Blaupunkt	249 343
20	Blue Parade	340
21	BOSE	062 079
22	BOSS	251
23	Boston Acoustics	381
24	Broksonic	123 323
25	California Audio Labs	325
26	CambridgeSoundWorks	290
27	Changhong	326 375
28	CineVision	196 349 350
29	Clarion	262
30	Classic	236
31	Coby	082 129 143 237 331
32	Curtis	129

NO.	Brand	Code
33	Curtis Mathes	352
34	CyberHome	029 048 351 368 373 374 377
35	Cytron	279
36	Daewoo	113 349 361
37	Denon	070 182 198 209 299 300 325
38	Desay	268
39	DiamondVision	320 321 322
40	Disney	100 132
41	Dual	312
42	Durabrand	353
43	DVD2000	337
44	Eclipse	227
45	Emerson	063 248 324 345 385
46	Enterprise	345
47	ESA	259 354
48	Fisher	305 346
49	Funai	354 385
50	Gateway	376 378 384
51	GE	101 195 338 343
52	GFM	204
53	Go Video	118 349 382 384
54	Goldstar	120
55	GPX	194
56	Gradiente	270 325
57	Greenhill	343
58	Grundig	339
59	Haier	334
60	Harman/Kardon	224 347
61	Hitachi	014 136 203 244
62	Hiteker	342
63	iLive	293
64	Ilo	213
65	iLuv	314
66	Initial	278 343
67	Insignia	274 289 298 303 354
68	Integra	326 340
69	Irradio	174
70	iSymphony	294
71	Jamo	308
72	JBL	162 347
73	Jensen	311 331
74	JVC	030 031 032 033 034 035 036 037 038 086 087 095 103 122 141 142 161 173 214 218 243 306 341
75	Jwin	309
76	Kawasaki	328
77	Kenwood	325
78	KLH	115 272 328 343
79	Konka	359 360
80	Koss	153 286 327 334
81	Landel	363
82	Lasonic	263 348
83	Lenoxx	333 353
84	Lexicon	357
85	LG	102 151 165 185 189 201 211 242 256 283 345 349
86	Liquid Video	334
87	Liteon	158 219 355 384
88	Loewe	356 365
89	Magnavox	068 071 124 156 179 213 298 324 336 339 354
90	Marantz	245 301 302 339
91	Memorex	100 133 323
92	Microsoft	338
93	Mintek	213 278 343
94	Mitsubishi	106 177 190 337
95	NAD	264
96	Nakamichi	310
97	Nesa	343
98	Next Base	363
99	Nexxtech	271
100	Norcent	129 246
101	Onkyo	145 188 197 206 207 326 336
102	Oppo	273 284
103	Oritron	327 334
104	Panasonic	017 018 019 020 021 022 023 024 051 059 067 070 072 073 077 080 083 091 099 135 138 160 181
		183 184 199 205 233 234 235 325 336 387 388
105	Philco	328
106	Philips	007 041 042 071 098 137 144 152 157 168 174 176 178 208 213 336 339 357 385
107	Pioneer	043 044 045 046 047 058 110 150 200 229 247 340 390
108	Polaroid	028 241 277
109	Polk Audio	339
110	Portland	361
111	Presidian	385
112	Prima	282 383

NO.	Brand	Code
113	Princeton	358
114	Proceed	342
115	Proscan	069 338
116	Pye	276
117	Qwestar	327
118	RCA	039 040 069 090 166 191 328 338 340 343
119	Regent	333
120	Rio	349
121	Rotel	341
122	Rowa	329
123	Sampo	119 265 370 372
124	Samsung	012 013 014 015 016 054 064 066 074 075 085 104 105 108 111 121 125 134 154 193 210 226 325
		389
125	Sansui	228 275 323
126	Sanyo	287 323 346
127	Sensory Science	384
128	Sharp	093 119 187 202 220 291 295 296 297
129	Sharper Image	368
130	Sherwood	292 361
131	Shinco	260
132	Shinsonic	213 335
133	Sigma Designs	358
134	Sonic Blue	349
135	Sony	000 001 002 003 004 005 006 049 052 055 056 057 060 061 065 076 081 092 094 097 109 112 114
		126 127 128 146 147 148 155 230 231 232 316 317 318 335
136	Sungale	267
137	Superscan	124 324
138	SVA	364
139	Sylvania	042 063 124 133 159 204 225 285 324 354 385 386
140	Symphonic	133 159 385
141	Teac	266 328 371 379 380
142	Technics	325
143	Techwood	261
144	Terapin	366
145	Theta Digital	340
146	Toshiba	007 008 009 010 011 050 053 084 088 089 096 107 130 131 140 163 169 170 171 175 186 212 215
		216 217 221 238 239 240 254 255 323 336
147	Tredex	362
148	Trutech	296
149	Tview	313
150	Urban Concepts	336
151	US Logic	213
152	Venturer	288 328
153	Vizio	367 369
154	Vocopro	315
155	Westinghouse	222
156	Xbox	338
157	Yamaha	180 253 325 339
158	Zenith	102 116 120 139 149 336 345 349

VCR

NO.	Brand	Code
1	ABS	111
2	Adventura	008 032
3	Aiwa	008 032 095 112
4	Akai	019
5	Alienware	111
6	American High	031
7	Apex	115
8	Asha	012 029
9	Audio Dynamics	016
10	Audiovox	030 082 112
11	Bang & Olufsen	113
12	Beaumark	012 029
13	Bell & Howell	028
14	Broksonic	074 099 114
15	Calix	030 112
16	Candle	029 030
17	Canon	031
18	CineVision	094
19	Citizen	029 030 112 121
20	Colortyme	016
21	Colt	118
22	Craig	012 029 030 112
23	Curtis Mathes	016 029 031
24	Cybernex	012 029
25	Cyperpower	111
26	Daewoo	018 032 051 093 121
27	Davidson	008
28	DBX	016

NO.	Brand	Code
29	Dell	111
30	Denon	013
31	DiamondVision	107
32	DIRECTV	110 122 124 125 129 130 134 136
33	Dishpro	133
34	Durabrand	025
35	Dynatech	008 032
36	Echostar	133
37	Electrohome	010 030 112
38	Electrophonic	030 112
39	Emerson	008 010 020 030 031 032 105 112 116 121
40	ESA	101
41	Expressvu	133
42	Fisher	028 073
43	Fuji	031
44	Funai	008 020 032 105 116
45	Garrard	008 032
46	Gateway	111
47	GE	012 029 031 055 119
48	Go Video	012 072
49	GOI	133
50	Goldstar	016 030 106 112 120
51	Gradiente	008 032
52	Harley Davidson	032
53	Harman/Kardon	016
54	Headquarter	028
55	Hewlett Packard	111
56	Hitachi	008 013 048
57	HNS	110
58	Howard Computers	111
59	HP	111
60	HTS	133
61	Hughes Network Systems	013 110 122 124 125 130
62	Humax	110 122
63	Hush	111
64	iBUYPOWER	111
65	Insignia	081
66	Instant Replay	031
67	JC Penney	016 028 029 030 031
68	JCL	031
69	JVC	014 015 016 028 040 059 060 083 084 085 086 122 133
70	KEC	112
71	Kenwood	016 028
72	Kodak	030 031 112
73	LG	030 081 091
74	Linksys	111
75	Lloyd's	008 032
76	LXI	030 112
77	Magnasonic	020 121
78	Magnavox	008 020 021 025 027 031 044
79	Magnin	012 030 119
80	Marantz	016 028 031
81	Marta	030 112
82	Matsushita	031
83	Media Center PC	111
84	MEI	031
85	Memorex	008 012 025 028 029 030 031 032 100 108 112 114 117 120
86	MGA	010 012 119
87	MGN Technology	012 029
88	Microsoft	111
89	Mind	111
90	Minolta	013
91	Mitsubishi	010 041
92	Motorola	031
93	MTC	008 012 029
94	Multitech	008 029 032
95	NEC	016 028
96	Nikko	030 112
97	Niveus Media	111
98	Noblex	012 029
99	Northgate	111
100	Olympus	031
101	Optimus	020 030 112 117
102	Optonica	023
103	Orion	045 108
104	Panasonic	000 001 002 003 031 035 037 056 063 079 089 098 109 117 128
105	Penney	012 013 112 119 120
106	Pentax	013
107	Philco	031
108	Philips	023 031 044 071 087 110 116 122 124 125 126
109	Philips Magnavox	044
110	Pilot	030 112
111	Polaroid	104 115
112	Presidian	116
113	Profitronic	012
114	Proscan	069 070 134
115	Pulsar	025
116	Pye	103
117	Quarter	028
118	Quartz	028
119	Quasar	031 076 117
120	Radio Shack	008 023 030
121	Radio Shack/Realistic	023 028 029 030 031 032
122	Radix	030 112
123	Randex	030 112
124	RCA	011 012 013 029 031 034 058 067 097 110 119 122 124 134 136
125	Realistic	008 023 028 029 030 031 032 112
126	ReplayTV	109 127
127	Ricavision	111
128	Runco	025
129	Samsung	012 017 018 019 029 043 049 050 068 080 110 124
130	Sanky	025
131	Sansui	008 045 102 108 114
132	Sanyo	012 028 029 073 119
133	Scott	010 018
134	Sears	008 013 028 030 031 112 120
135	Sharp	022 023 052 090 096
136	Shogun	012 029
137	Singer	031
138	Sonic Blue	109 127
139	Sony	004 005 006 007 008 033 036 038 039 046 064 065 066 075 111 123 131 135
140	Stack	111
141	STS	013 031
142	Superscan	021
143	Sylvania	008 010 020 021 031 032 048 062 088 116
144	Symphonic	008 020 021 032 105 116
145	Systemax	111
146	Tagar Systems	111
147	Tandy	028
148	Tashiko	030
149	Teac	008 032
150	Technics	031
151	Teknika	008 030 031 032 112
152	Thomas	008
153	Tivo	110 122 123 124 126 130 131 135
154	TMK	012 029
155	Toshiba	009 010 018 042 047 053 054 057 061 077 111 132
156	Totevision	012 029 030 112
157	Touch	111
158	UltimateTV	136
159	Unitech	012 029
160	Vector	018
161	Vector Research	016
162	Video Concepts	016 018
163	Videomagic	112
164	Videosonic	012 029
165	Viewsonic	111
166	Villain	008
167	Voodoo	111
168	Wards	008 012 013 023 029 030 031 032
169	White Westinghouse	105
170	XR-1000	008 031 032
171	Yamaha	016 028
172	Zenith	008 024 025 026 078 092
173	ZT Group	111

CABLE

NO.	Brand	Code
1	ABC	009 010 011 013 031 044
2	Adelphia	007
3	Americast	050
4	Antronix	015 016
5	Archer	016
6	AT&T	003
7	Bell South	050
8	Cable Vision	006
9	Cabletenna	015
10	Cableview	014
11	Clearmaster	049
12	ClearMax	049

NO.	Brand	Code
13	Colour Voice	018
14	Comcast	000 005
15	Comtronics	019
16	Contec	020
17	Coolmax	049
18	COX	005
19	Daeryung	057
20	Director	043
21	Dumont	056
22	Eastern	021
23	Everquest	045
24	Focus	048
25	GC Electronics	016
26	GE	009 010
27	Gehua	055
28	Gemini	045
29	General Instrument	005 008 010 040 042 043
30	Goldstar	046
31	Hamlin	022
32	Hitachi	010
33	Jasco	045
34	Jerrold	008 010 031 032 040 042 043 045
35	LG	053
36	Magnavox	025
37	MegaCable	005
38	Memorex	024 044
39	Motorola	000 003 005 008 039 040 042 043
40	Movie Time	025
41	Multitech	049
42	NEC	012
43	NET Brazil	036
44	NSC	025
45	Oak	020
46	Pace	001 047
47	Panasonic	028 030 044
48	Paragon	044
49	Philips	017 018 023
50	Pioneer	002 026 033 038 046
51	Popular Mechanics	048
52	Proscan	009 010
53	Pulsar	044
54	Quasar	044
55	Radio Shack	045 049
56	RCA	014 030
57	Realistic	016
58	Recoton	048
59	Regal	020
60	Regency	021
61	Rembrandt	010
62	Runco	044
63	Samsung	001 026 035 046
64	Scientific Atlanta	001 002 003 007 013 037 038 041
65	Signal	045
66	Signature	010
67	Sony	006 051
68	Sprucer	030
69	Standard Component	027
70	Starcom	031 045
71	Stargate	045
72	Starquest	045
73	Supercable	040
74	Supermax	049
75	TIME WARNER	004
76	Tocom	011
77	Torx	052
78	Toshiba	044
79	Trans PX	054
80	Tristar	049
81	TS	052
82	Tusa	045
83	Tv86	025
84	Unika	015 016
85	United Cable	031
86	Universal	015 016
87	V2	049
88	View Star	020 023 025
89	Viewmaster	049
90	Vision	049
91	Vortex View	049
92	Zenith	029 034 044 050
93	Zentek	048

Maintenance

Early malfunctions can be prevented. Careful and regular cleaning can extend the amount of time you will have your new TV. Be sure to turn the power off and unplug the power cord before you begin any cleaning.

Cleaning the Screen

8 Here's a great way to keep the dust off your screen for a while. Wet a soft cloth in a mixture of lukewarm water and a little fabric softener or dish washing detergent. Wring the cloth until it's almost dry, and then use it to wipe the screen.

9 Make sure the excess water is off the screen, and then let it air-dry before you turn on your TV.

Cleaning the Cabinet

To remove dirt or dust, wipe the cabinet with a soft, dry, lint-free cloth. Please be sure not to use a wet cloth.

Extended Absence

If you expect to leave your TV dormant for a long time (such as a vacation), it's a good idea to unplug the power cord to protect against possible damage from lightning or power surges.

Specification

Product Specification

Resolution	32"	720p
	1366x768 (Dot)	
Estimated Yearly Energy Cost	$11	
Power requirement	120 V~ , 60 Hz	
Color system	NTSC, ATSC, Clear QAM	
External Antenna Impedance	75 ohm	
Color	1,070,000,000 (1024 steps of each R, G and B)	
Operating Temperature	50~104 °F (10~40 °C)	
Operating Humidity	20~80%	
Storage Temperature	5~113 °F (-15~45 °C)	
Storage Humidity	Less than 80%	
Maximum Elevation	6561 feet (2000 m)	
VESA Size	200 x 100	

MODEL	Dimensen (WXDXH) Unit:inches/ mm (Including stand)	Weight (pounds/kg)
32"	31.2X7.9 X22.3 inches 792x200x565 mm	21.1/9.6

Troubleshooting

Troubleshooting

④ For the sake of time and cost, it is strongly recommended that you check out the problem by yourself according to the instructions listed hereunder before contacting the after-sales service for technical assistance.

No picture, no sound	Verify all connections to the TV are properly connected and secure. Verify the TV is properly connected to the AC supply. Verify that power has not been interrupted to the TV.

Blank screen	Verify if correct signals are input. Press **INPUT** button to change signal input to TV input. Restart the Television if power has been interrupted.
No sound	Press **Mute** button and verify if Mute mode is set. Switch to other channel and verify if the same problem happens. Press **VOL+** button to see if the problem can be solved. Verify that the speakers have been set to ON in the Audio system menu.
Poor sound	Verify if sound system is correct. Refer to Page 17 for adjustments.
No picture in some channel	Verify if correct channel is selected. Adjust the antenna. Make adjustments by Fine Tune and Manual Scan.
No color for some channel program (black and white)	Verify if the same problem exists in other channels. Check out of picture and sound systems. Refer to relative instructions in the Manual for color adjust.
Spots with some or all pictures	Verify if the antenna is correctly connected. Verify if the antenna is in good condition.
Horizontal/ vertical bars or picture shaking	Check for local interference such as an electrical appliance or power tool.
Television out of control	Disconnect the television from power supply and, 10 seconds later, connect the television to the power supply. If the problem still exists, contact authorized after-sales service for technical assistance.

Note

✲ Do not leave the television with static picture in an extended period as the image may become permanently burned.

Note

✲ Production of the LED screen requires high and precision technologies. However, there might be some dark or bright (red, blue or green) spots, or some anomalistic stripes or spots. This is not defect. If the TV set is used in an area 2,400 meters above the sea level where the air pressure is below 750 hpa, the picture on the LED screen may be affected and a muffled sound might be produced. These phenomena might happen in the area 1,500 meters above the sea level. This is resulted from difference between air pressures inside and outside the display. This is not a defect covered by the limited warranty.

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Version 2, June 1991

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